Construction News

PRICES AND BUSINESSS OUTLOOK

During the past six months remarkable progress in finance, commerce and industry has been achieved both in production and distribution. Profits have been unprecedented and the enormous growth in foreign trade has placed this country in the foremost position in the money markets of the world. In spite of many handicaps American concerns are steadily reaching out to new markets. Prices are being readjusted in certain lines, but the decline is by no means general and in nearly all cases costs remain exceptionally high and tend to restrict buying in some quarters. That business is remarkably well sustained is proved by the fact that average bank clearings at important centers are only slightly below the corresponding figures for May. Returns of railroad earnings bear testimony to record-breaking traffic movements, while increased dividends show that investors are sharing in the general prosperity. Industrial and commercial developments are still going ahead strongly, corporate financing in June being more than twice as large as last year.

American exports for May reached a total of $472,000,000, which exceeds all previous monthly records. This is greater by $60,000,000 than the high record for March and is $300,000,000 more than the monthly May average from 1911 to 1914. The total exports for the year ending with May are an increase of 1½ billion dollars over the preceding twelve months, and double the total for the year ending with May, 1911. The imports also were the greatest on record, the total value being $229,000,000, an increase of $11,000,000 over April, which is the previous high mark. This total exceeds the monthly May average from 1911 to 1914 by $82,000,000.

The steel business still continues good, foreign buying is still very active, some of this business being due to prospective government requirements of this country. Prices in most cases continue to hold steady, as all of the larger mills are sold up for the balance of the year. In some few cases, such as structural material, plates, etc, there has been a slight drop in the market. Also some finished materials from the warehouses, which there is not a large call for, dropped somewhat in price but leading authorities do not expect any drop in mill prices for some time to come. Some of the selling agents of small metal materials going into buildings have been notified of further increases to take place some time during July. The lumber industry has quieted down, and the manufacturers are now curtailing production throughout the South and West in an endeavor to keep their stock down. Southern pine mills have cut their production about 13% and Western mills about 7%.

Following is a list of contracts awarded filed by the F. W. Dodge Co., throughout the states of New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iolwa, Wisconsin, Michigan, Minnesota, North and South Dakota and portions of Missouri and eastern Kansas.

January to July 1, 1916	$596,583,586
January to July 1, 1915	$413,532,600
January to July 1, 1914	$382,532,000
January to July 1, 1913	$472,572,500
January to July 1, 1912	$406,011,000
January to July 1, 1911	$416,227,813
January to July 1, 1910	$454,145,798

Contracts awarded from New York State and northern New Jersey:

January 1 to July 1, 1916	$74,922,500
January 1 to July 1, 1915	$72,558,000
January 1 to July 1, 1914	$65,926,000
January 1 to July 1, 1913	$158,017,500
January 1 to July 1, 1912	$122,328,000
January 1 to July 1, 1911	$129,784,000
January 1 to July 1, 1910	$144,918,000

These figures show that throughout the territory covered there has been a gain for the past six months of 183 million dollars over a year ago at this time, and 124 million dollars over the highest year since 1910, which is 1913. In the local territory of New York State and northern Jersey, we see a gain of about 2½ million dollars, which is more than offset by the increased cost of material and labor, bringing down the total amount of contracts awarded in this section considerably lower than it was a year ago. This makes a showing for the increased building throughout the Central States, and some of this difference in figures between 1915 and 1916 will be taken care of in this case also by the increased cost of material and labor, but still leaving a large margin over any year for the past six years. The last six months of this year should make a better showing in comparison with the first six months on account of the tremendous amount of plans filed on which construction has never started, and which ought to commence the latter part of this year, due to shading in the prices of a great many building materials.

IRON AND STEEL

Pig Iron—Below are the present quotations, with a comparison of a month and a year ago:

	July 6, 1916	One Month Ago	One Year Ago
CINCINNATI			
No. 2 Southern foundry	$16.90@17.90	$17.90@18.40	$12.50@13.00
No. 2 Northern foundry	19.76@20.26	20.26	13.75@14.25
NEW YORK			
No. 2X Northern foundry	19.75@20.25	20.50@20.75	14.25@14.50
No. 2 plain Northern foundry	19.50@20.00	20.25@20.50	13.75@14.00
No. 2 Southern foundry†	19.50@20.00	20.25@20.50	14.25
BIRMINGHAM			
No. 2 Southern foundry	14.00	15.00	10.00
CHICAGO			
No. 2 Northern foundry	19.00	19.00	13.00@13.50
PITTSBURGH			
Bessemer iron*	21.95	21.85	14.65
Basic iron*	18.95	18.95	13.55

These prices include the freight charge from the valley to the Pittsburgh district. †Delivered tidewater, New York.

Steel Rails—The following quotations are per gross ton f.o.b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	New York	Chicago
Standard bessemer rails	$33.00	$33.00
Standard openhearth rails	35.00	35.00
Light rails, 8 to 10 lb	50.00	43.00
Light rails, 12 to 14 lb	49.00	42.00
Light rails, 25 to 45 lb	47.00	40.00

Structural Material—The following are the base prices f.o.b. mill, Pittsburgh, together with the quotations per 100 lb. from warehouses at the places named:

	Pittsburgh	St. Louis	New York	Chicago	San Francisco
Beams, 3 to 15 in.	$2.50@2.75	$3.15	$3.25	$3.10	$4.25
Channels, 3 to 15 in.	2.50@2.75	3.15	3.25	3.10	4.25
Angles, 3 to 6 in., ¼ in. thick	2.50@2.75	3.15	3.25	3.10	4.25
Tees, 3 in. and larger	2.50@2.75	3.15	3.30	3.10	4.25
Plates	3.00@3.25	3.55	4.00	3.50	4.75

Extras on other shapes and sizes in cents per lb. are as follows:

I-beams over 15 in.	.10
H-beams over 18 in.	.10
Angles over 6 in., on one or both legs	.10
Angles, 3 in. on one or both legs less than ¼ in. thick	.70
Tees, structural sizes (except elevator, handrail, car truck and conductor rail)	.05
Channels and tees, under 3 in. wide	.20 to .80
Handrail tees	.75
Cutting to lengths, under 3 ft. to 2 ft. inclusive	.25
Cutting to lengths, under 2 ft. to 1 ft. inclusive	.50
Cutting to lengths, under 1 ft.	1.55

No charge is made for cutting to lengths 3 ft. and over.

Old Material—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis and vicinity, the quotations are per net ton and cover delivery at the buyer's works, including frenght transfer charges:

	New York	
	July 6, 1916	One Month Ago
Heavy melting steel scrap	$11.75@12.25	$13.00@13.50
No. 1 railroad wrought	18.00@18.50	20.00@20.50
Stove plate	12.00@12.50	12.00@12.50
No. 1 machinery cast	16.50@17.00	17.00@17.50
Machine shop turnings	6.25@ 6.50	7.50@ 8.00
Cast borings	8.00@ 8.25	8.25@ 8.50
Railroad malleable cast	12.25@12.75	12.25@12.75

	Chicago	
	July 6, 1916	One Month Ago
No. 1 railroad wrought	$14.75@15.25	$16.00@16.25
Stove plate	9.25@ 9.75	10.00@10.50
No. 1 machinery cast	11.50@12.00	12.00@12.75
Machine shop turnings	5.50@ 6.00	7.00@ 7.25
Cast borings	5.50@ 6.00	6.50@ 7.00
Railroad malleable cast	11.50@11.75	13.00@13.50

	St. Louis	
No. 1 railroad wrought	15.00@15.50	16.00@16.50
Stove plate	8.00@ 8.50	9.00@ 9.50
No. 1 machinery cast	11.50@12.00	12.75@13.25
Machine shop turnings	5.50@ 6.00	6.75@ 7.25
Cast borings	7.50@ 8.00	6.50@ 6.75
Railroad malleable cast	11.00@11.50	12.00@12.25
Heavy melting steel scrap	$14.50@15.00	$15.75@16.00

Cast-Iron Pipe—The following are prices per net ton for carload lots:

	New York	Birmingham	Chicago	St. Louis	San Francisco
4 in.	$34.00	$29.00	$33.50	$34.00	$39.00
6 in. and over	31.00	26.00	30.50	31.00	36.00

$1 is added for gas pipe, and 16-ft. lengths are $1 per ton extra.

Bars, Concrete Reinforcing—The following quotations are per 100 lb.:

		New York		Warehouse		
In.	Mill Shipment	July 1, 1916	One Month Ago	St. Louis	Chicago	San Francisco
¾ and larger	$2.50	$3.10	$3.10	$3.24	$3.10	$4.00
⅝	2.60	3.20	3.20	3.29	3.18	4.10
⅜	2.90	3.50	3.50	3.49	3.40	4.50
½	2.75	3.25	3.25	3.34	3.23	4.20
¼	3.25	3.85	3.85	3.74	3.75	5.00

Rivets—Price per 100 lb.:

	Structural				
	Mill, Pittsburgh	Warehouse New York	Chicago	St. Louis	San Francisco
¾ in. and larger	$4.00	$5.25	$3.50	$3.55	$5.40
	Cone Head Boiler				
¾ in. and larger	4.10	5.35	3.60	3.65	5.50
⅝ and ½	4.25	5.50	3.75	3.80	5.65
½ and ⅞	4.60	5.85	4.10	4.05	6.00

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take anextra of 25c.

Sheets—Quotations are in cents per pound in various cities from warehouse, also the base quotation from mill:

Blue Annealed	Large Lots, Pittsburgh	St. Louis	Chicago	San Francisco	New York
No. 10	3.00@3.25	3.45	3.25	5.00	4.25
No. 12	3.05@3.30	3.50	3.30	5.05	4.30
No. 14	3.10@3.35	3.55	3.35	5.10	4.35
Black					
Nos. 18 and 20	2.70@2.80	3.10	3.00	4.75	3.45
Nos. 22 and 24	2.75@2.85	3.15	3.05	4.80	3.50
No. 26	2.80@2.90	3.20	3.10	4.85	3.55
No. 27	2.85@2.90	3.25	3.15	4.90	3.60
No. 28	2.90@3.00	3.30	3.20	4.95	3.65
Galvanized					
No. 10	3.60@3.75	5.30	4.70	5.84	4.50
No. 12	3.70@3.85	5.30	4.70	5.89	4.50
No. 14	3.70@3.85	5.30	4.70	5.89	4.50
Nos. 18 and 20	3.95@4.10	5.30	4.90	5.23	4.80
Nos. 22 and 24	4.05@4.20	5.40	5.05	6.42	4.95
No. 26	4.20@4.35	5.40	5.20	6.57	5.10
No. 27 No. 27	4.45@4.60	5.40	5.35	6.72	5.25
No. 28	4.60@4.75	5.40	5.50	6.91	5.40

Wire Rope—Discounts from list price on bright and galvanized are as follows:

	New York	St. Louis	Chicago	San Francisco
Galvanized	25—2½%	25—2½%	25—2½%	22½%
Bright	35—2½%	40—2½%	30—2½%	32½%

In New York the net prices on galvanized guy rope 7 wires to strand are as follows per 100 lb.:

Diameter, In.		Diameter, In.	
½	$4.40	1¼	$18.30
⅝	5.90	1⅜	20.80
¾	6.60	1½	25.60
⅞	9.50	1⅝	27.80
1	11.00	1¾	32.20

Triangle Mesh—Price per 100 sq.ft. for 4 in-mesh in carload lots:

Style No.	Cross-Sec. Area per Ft. Width	Plain: New York	Plain: St. Louis	Plain: Chicago	Plain: San Francisco	Galvanized: New York	Galvanized: St. Louis	Galvanized: San Francisco
4	0.102	$1.44	$1.54	$1.728	$1.91	$1.66	$1.76	$2.12
5	0.077	1.14	1.22	1.361	1.49	1.31	1.39	1 66
6	0.058	.90	.96	1.082	1 21	1.03	1.10	1.34
7	0.041	.70	.75	.847	.93	.81	.86	1 04
23	0.170	2.41	2.58	2.890	3 17	2.77	2.94	3.53
24	0.142	2.08	2.23	2.545	2.72	2.39	2.54	3 03
25	0.124	1.84	1.97	2.204	2 41	2.12	2.25	2.69
26	0.110	1.68	1.80	2.008	2.21	1.93	2.05	2 46
27	0.085	1.37	1.47	1.650	1 81	1.58	1.68	2.01
28	0.066	1.14	1.22	1.324	1.49	1.31	1.39	1 66
29	0 049	.94	1.01	.972	1.25	1.08	1.15	1.39
31	0.261	3.55	3.80	5.245	4.70	4.08	4.33	5.23
32	0.225	3.08	3.29	4 726	4.08	3.54	3.76	4.54
33	0.196	2.75	2.94	3.484	3.61	3.16	3.35	4.02
34	0 140	2.11	2.26	2.562	2.78	2.43	2.58	3.09
35	0.109	1.68	1.80	2.001	2.21	1.93	2.05	2.46
36	0.075	1.24	1.33	1 342	1.62	1.42	1.51	1.81
38	0.380	5.06	5.42	6.067	6.67	5.81	6.17	7.42
39	0 325	4.36	4.67	5.824	5.75	5.01	5.32	6.40
40	0.283	3.82	4.09	5.462	5.02	4.39	4.66	5.59
41	0.208	2.91	3.12	3 533	3.86	3.35	3.56	4.30
42	0.151	2.21	2.37	2.654	2.93	2.54	2.70	3.27
43	0 101	1.57	1.68	1.992	2.09	1.81	1.92	2.32

Less than carload lots this material is about 10% higher.

Track Supplies—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh	Chicago	St. Louis	San Francisco
Standard railroad spikes	$2.65@2.75	$2.75@2.90	$3.35	$4.20
Track bolts	3.25@3.50	3.25@3.50	Premium	4.75
Standard section angle bars	2.00	2.00@2.50	Premium	....

Chain—Price per 100 lb.:

In.	Chicago	New York: July 6, 1916	New York: One Year Ago	San Francisco
⅜	$9.40	$10.10	$7.50	$14.00
½	6.85	7 55	4.95	10.25
⅝	5.85	6.55	3.95	9.25
¾	5.00	6.00	3.40	7.90
⅞	5 15	5.80	3.20	7.75
1 and ⅛	5.00	5.60	3.00	7.55
1⅛ and 1¼	4.30	5.50	2.90	7.25
1¼ and 1⅜	4.80	5.40	2.80	7.20
1⅜ and 1½	...	5.30	2.70	7.20
1 to 1¼	...	5.20	2.60	7 20

EXTRAS TO ABOVE LIST PER 100 LB.

	For BB	For BBB
⅜ in. and ¼ in.	$1.50	$2.00
⅛ in. and larger	1.25	1.75

Expanded Metal Lath—Prices per 100 yd. for painted are as follows:

Gage	Weight	Carload: New York	Carload: Chicago	Carload: St. Louis	Carload: San Francisco
27	233	$16.00	$16.50	$18.00	$17.50
26	250	17.00	17.50	19.00	18.75
25	300	18.00	18.50	....	20.25
24	340	19.00	19.50	21.00	21.50
22	450	22.00	22.50	....	25.00

About 10% additional for smaller quantities. For galvanized add $10, and $13 to $15 for tuncan.

Pipe—The following table shows the comparison in discounts, with the net prices in cents per foot for carload lots f.o.b. mill:

	Black: July 6, 1916	Black: One Year Ago	Galvanized: July 6, 1916	Galvanized: One Year Ago
¾ to 2½ in. steel butt welded	70%	79%	50½%	57½%
3 to 6 in. steel lap welded	68%	78%	48½%	56½%
7 to 12 in. steel lap welded	65%	76%	44½%	54½%
Diameter, In.				
¾	3.45	2.42	5.69	4.89
1	5 10	3.57	8.42	7.23
1½	8.25	5.78	13.61	11.69
2	11.10	7.77	18.32	15.73
2½	17.55	12.29	28.96	24 86
3	24.48	16.83	39.40	33.28
4	34.88	23.98	56.14	47.32
5	47 36	32.56	76.22	64.38
6	61.44	42.24	98.88	83.52
7	83.30	57.12	$1.321	$1.083
8	87 50	60.00	1.388	1.138
9	$1.208	82.80	1.915	1.57
10	1.442	98.88	2.287	1.875
11	1.621	$1.111	2.57	2 107
12	1.775	1.217	2.814	2.307

From warehouses at the places named, the following discounts hold for steel pipe:

	Black: New York	Black: Chicago	Galvanized: New York	Galvanized: Chicago
3½ to 6 in. lap welded	61%	63.8%	36%	43.8%
¾ to 3 in. butt welded	64%	65.8%	42%	45.8%
7 to 12 in. lap welded	55%	60.8%	24%	39.8%

Malleable fittings, Class B and C, from New York stock, sell at 30 and 5% from list price. Cast iron, standard size, 55%.

Steel Sheet Piling—The following price is base per 100 lb fo.b. Pittsburgh, with a comparison of a month and a year ago:

July 6, 1916	One Month Ago	One Year Ago
$2.50	$2.50	$1.60

Nails—The following quotations are per keg from warehouse:

	New York	St. Louis	Chicago	San Francisco
Wire	$3.15	$2.95	$2.85	$3.40
Cut	3.15	2.85	3.05	3.85

Freight Rates—On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Baltimore	15.40	Minneapolis	32.90
Boston	18.90	New Orleans	30.70
Buffalo	11.60	New York	16.90
Chicago	18.90	Pacific Coast (all rail)	65.00
Cincinnati	15.80	Philadelphia	15 50
Cleveland	10.50	St. Louis	23.60
Denver	68.60	St. Paul	32.90
Birmingham	45.00	Indianapolis	17.90

CEMENT, BRICK AND STONE

Rosendale Cement—Price to dealers for 500 bbl. or over, f.o.b., including bags:

New York	$1.00

30c. allowed for bags.

Portland Cement—These prices are for barrels in carload lots in cotton bags; 10c. allowed for return of each bag:

	July 6, 1916	One Month Ago	One Year Ago
New York	$1.72	$1.72	$1.33
Jersey City	1.66	1.66	1.14
Boston	1.92	1.92	1.56
Chicago	1 81	1.81	1.51
Pittsburgh	1.81	1.81	1.45
Cleveland	1.94	1.94	...
Detroit	1.90	1.90	1.60
Indianapolis	1 94	1.94	...
Toledo	1.94	1.94	...
Milwaukee	1.93	1.93	...
Minneapolis	2.08	2.08	1.77
Duluth	1.96	1.96	1.77
Peoria	1.89	1.89	...
Cedar Rapids	2.00	2.00	...
Davenport	1.90	1.90	...
St. Louis	1.86	1.85	...
San Francisco	2.30	2.30	...

Sand and Gravel—Price for cargo or carload lots is as follows:

	Gravel: Paving	Gravel: 1½ In.	Gravel: ¾ In.	Sand
New York	$1.25	$0.90	$1.00	$0.50 per cu.yd.
Chicago	....	.85	.85	.85 per cu.yd.
St. Louis	....	.70	.70	.60 per cu.yd.
San Francisco	....	.75	.75	.75 per ton

Flagging—

New York	Bronx	$0 17	sq.ft.
	Manhattan	.17	sq.ft.
	Queens, 5 ft. square	.18	sq.ft.
Chicago	18 in. wide	.60	lin.ft.

Crushed Stone—Price for cargo or carload lots is as follows:

	1½ In.	¾ In.	
New York	$0.85@0 90	$0.96@1.00	cu.yd.
Chicago	1.10	1.10	cu.yd.
St. Louis	1.00	1.00	cu.yd.
San Francisco	.75	.75	ton

Brick—The price per 1,000 in cargo or carload lots is as follows:

	Common	Paving
New York	$8.00	block $25.50
		brick 15.25
Chicago	6.25	brick 12 50
St. Louis, salmon	6 00	block 16.50
St. Louis, selected	9.50	
San Francisco	10 00	block 30.00

Curbing—Prices per linear foot are as follows:

	Material	
New York	5x16	$0.40
	5x20	.45
Chicago	6x18	.45
St. Louis	5x16	.76
San Francisco	6x16	.65
	6x20	.75

Paving Stone—

New York	Manhattan	$2.40	sq.yd.
	Other borough	2.15	sq.yd.
Chicago	About 4x8x5 dressed	2.15	sq.yd.
	About 4x8x5 common	1.65	sq.yd.
San Francisco	Basalt block 4x7x8	55.00	per M

MISCELLANEOUS

Railway Ties—For fair-size orders, the following prices per tie hold:

	Material	7 In. by 9 In. 6 Ft.	6 In. by 8 In. by 8 Ft.
New York	St. Yellow Pine	$0.95	$0.80
St. Louis	White Oak	.72	.61
Chicago	White Oak	.95	.85
San Francisco	Long Fir	.75	.51

Lumber—Price within litherage limits New York by carload:
Square Edge and Sound Green

	20 Ft. and Under	22-24 Ft.	26 Ft.	28 Ft.	30 Ft.	32 Ft.
3x4 to 8x8	27 50	$28 50	$29 50	$29 50	$30 50	$30 50
3x10 to 10x10	28.50	29 50	30.50	30 50	31 50	31.50
3x12 to 12x12	31.50	32.50	33 50	33 50	34 50	34 50
3x14 to 6x14	33 50	34 50	35 50	35.50	36 50	36.50
7x14 to 14x14	33 50	54 50	35.50	35 50	36.50	36 50
3x16 to 6x16	35 50	36 50	38 50	38 50	40.50	39.50
7x16 to 16x16	35.50	36.50	38.50	38 50	40 50	39 50
3x18 to 8x18	37 50	38.50	40 50	40.50	42 50	42 50
8x18 to 18x18	37.50	38.50	40 50	40 50	42 50	41 50
4x20 to 20x20	40.00	41.00	43.00	45.00	45.00	45.00

Over 32 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12x12 and under; for sizes over 12x12 add $2. For merchantable add $2 to sizes 10x10 and under. For prime add $2 to the price of merchantable for all sizes.

Poles—Price of Western red cedar poles is as follows:

	New York	Chicago	Denver	St. Louis
6 in. by 30 ft	$4.77	$4.07	$3.41	$4.07
7 in. by 30 ft	5.90	5.10	4.30	5.10
7 in by 35 ft	7.85	6.85	5.90	6 85
8 in. by 35 ft	9.75	8.50	7.30	8.50
7 in. by 40 ft	9.95	8.65	7.40	8.65
8 in. by 40 ft	11.25	9.65	8.15	9.65
*8 in. by 45 ft	14.45	12.45	10.55	12.45
*8 in. by 50 ft	16.85	14.45	12.15	14.15

*10c. higher freight rates on account of double loads.

Sewer Pipe—The following prices are in cents per foot for carload lots:

Size, In.	New York July 6, 1916	New York One Year Ago	St. Louis	Chicago	San Francisco
3	7.00	5.00	....	5.50	6.00
4	7.00	5.00	....	5.50	8.00
5	11.20	8.00	....	8.80	10 00
6	11.20	8.00	8.25	8.80	12.00
8	15.40	11.00	13.50	12.10	18.00
10	22.40	16.00	18.00	17.30	27 00
12	28.00	20.00	24.50	22.00	33.75
15	27.80	27.00	35.00	29.70	....
18	53.20	38.00	52.50	41.80	67 50
20	63.00	45.00	70.00	49.50	87.50
22	84.00	60.00	84.00	66.00	$1.05
24	91.00	65.00	$1.00	71 50	1.25
27	$1.62	$1.35	1.30	$1.44	1.75
30	1.98	1.65	1.70	1.76	2.00
33	2.57	2.20	2.25	2.31	....
36	2 87	2.45	2.50	2.73	....

Hollow Tile—Hollow building tile price per block in cents:

	New York	St. Louis	Chicago	San Francisco
4x12x12 in.	.065	.054	.064	.08
6x12x12 in.	.091	.066	.093	.11
8x12x12 in.	.11	.09	.108	.16
10x12x12 in.	.13	.15	.127	.19
12x12x12 in	.1625	.18	.146	.22

Fireproof partition blocks price per block in cents:

2x12x12 in.	.046	.024	.041	.055
3x12x12 in.	.046	.036	.042	.065
4x12x12 in.	.052	.048	.045	.07
6x12x12 in	.078	.066	.061	.095
8x12x12 in.	...	.085	...	.12

Above prices are for more than carload lots.

Wood Block Paving—

Chicago	4	in. block 16 lb. treatment	$2.00	sq.yd.
St. Louis	3½	in. block 16 lb. treatment	1.46	sq.yd.

Flue Lining—Price per foot in cents for carload lots:

	New York	Chicago	St. Louis	San Francisco
4½x 8½ in.	9.10	10.00	11.00	15.00
4½x13 in.	11.70	14.00	15.00	22.50
4½x18 in.	26.00	....	....	....
6 x12 in.	....	....	....	22.50
7 x 7 in.	10.40	....	....	....
8 x 8½ in.	....	14.00	14.00	20.00
8½x13 in.	16.90	18.00	18.00	27.50
8½x18 in.	23.40	30.00	28.00	40.00
12 x16 in.	....	....	....	45.00
13 x13 in.	22.10	....	....	....
13 x18 in.	31.20	40.00	40.00	52.50
14 x16 in	....	....	....	47.50
16 x16 in.	....	....	....	67.50
18 x18 in.	52.00	50.00	60.00	....

Clay Drain Tile—The following prices are per 1,000 lin.ft.:

Size, In.	New York	St. Louis	Chicago	San Francisco
3	$22.50	$16.00	$15.00	$23.00
4	32.50	18 00	18.00	36.00
5	47.50	25.00	23.00	52.50
6	57.50	35.00	27.00	76.00
8	97.50	65.00	55.00	120.00

Asphaltum—Price per ton:

	Brand	
New York	Mexican	$17.50
Chicago	Mexican	21.50
Kansas City	Mexican	20.50
Denver	California	21.50
San Francisco	California	10.50

Linseed Oil—These prices are per gallon:

	New York July 6, 1916	New York Three Months Ago	Cleveland July 6, 1916	Cleveland Three Months Ago	Chicago July 6, 1916	Chicago Three Months Ago
Raw in barrels	$0.67	$0 81	$0 70	$0 84	$0.67	$0 83
5-gal. cans	.77	.91	.80	.94	.77	.88

White and Red Lead, in cents per pound, sell as follows:

	Red Dry	Red In Oil	White Dry and In Oil
100-lb. keg	10 50	11.00	10 50
25- and 50-lb. kegs	10.75	11.25	10 75
12½-lb. keg	11.00	11 50	11.00
1- to 5-lb. cans	12 50	12.50	12.50

METALS

Miscellaneous Metals—The present New York quotations in cents per pound, with a comparison of practically a month and year ago, are as follows:

	July 6, 1916	One Month Ago	One Year Ago
Copper, electrolytic (carload lots)	28.00	30 00	20.50
Tin	39.00	47.00	41.00
Lead	7.00	7.50	6.00
Spelter	11.87½	15.00	18.00
ST. LOUIS			
Lead	6.85	7.35	....
Spelter	11.87½	14.75	....

Old Metals—In New York the following are the dealers' purchasing prices in cents per pound:

	New York July 6, 1916	New York One Month Ago	New York One Year Ago
Copper, heavy and crucible	21.00	24 50	17.00
Copper, heavy and wire	20 00	24.00	....
Copper, light and bottoms	17 00	21.00	14 00
Lead, heavy	5.00	6.00	4.50
Lead, tea	4.50	5.50	4 00
Brass, heavy	11.75	14.25	8.50
Brass, light	9 25	11 50	10.00
No. 1 yellow rod brass turnings	12 75	15 25	....
Zinc	8 00	11.00	15.00

The Ransome Concrete Machinery Co., with executive offices at 115 Broadway, New York, and an enlarged factory at Dunellen, N. J., has just established another office at 12-18 South 12th St., St. Louis, Mo. The agent there is E. Gwynn Robinson. He will have a show room where the latest type of all kinds of mixers from the smallest bantam to the road paver will be on exhibition.

F. A. Peckham & Co., contractors' equipment, Chicago, has opened a branch office in the Leader-News Bldg., Cleveland, Ohio, to take care of its fast-growing business in that section.

O. K. Clutch and Machinery Co., Columbia, Penn., on account of its growing business, has been compelled to secure larger quarters and will soon move into a new shop in Columbia, where it will be in a position to fill orders more promptly.

Lidgerwood Manufacturing Co., 96 Liberty St., New York, has removed its Seattle offices to 66 Columbia St, Seattle, Wash.

The T. L. Smith Co. announces that its District Manager, E. R. Marker, has moved to new quarters at 609 Wells St., Milwaukee, Wis., where he will take charge of the company's business as Wisconsin representative. He will carry a stock of mixers and a complete line of contractors' supplies.

New Railway in Uruguay—A bill is before the Uruguayan Congress to provide for surveys for a new railway starting from Barra de Santa Lucia and connecting with the Northern railway, and terminating at Estacion Algorta on the Midland railway. The proposed line will pass through a rich agricultural region, which is now greatly handicapped by the lack of transportation facilities; it will also increase the use of the fine bridge over the Santa Lucia River, which is soon to be completed at a total cost of 700,000 pesos ($728,800).

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Massachusetts—Connecticut Valley St. Ry., Greenfield, will rebuild 2,000 ft. 60 lb. track with 90 lb. rail. C. W. Clapp, Greenfield, Ch. Engr.

Massachusetts—(Official)—New York, New Haven & Hartford R.R. plans enlarging cut to freight terminals, Boston. Edward Gagel, New Haven, Conn., Ch. Engr.

Pennsylvania—Pittsburgh & Butler St. Ry., Butler, plans extension on Center St.

North Carolina—Norfolk & Southern Ry. will extend line between Kinston and Snow Hill to Walstonburg or Stantonsburg. F. L. Nicholson, Norfolk, Va., Ch. Engr.

South Carolina—J. T. Roddey, Rock Hill, plans railway from Rock Hill to Spencer, 12 mi.

Alabama—W. W. Sortridge, Birmingham, interested in railway along Sand Mountain from Birmingham to Chattanooga, Tenn.

Louisiana—Southern Lumber Co., Myrtis, plans to extend line to Jefferson, Tex.

Ohio—Akron Belt Line Railroad Co. incorporated with $250,000 capital to build railway from Akron west to New London. G. Brown and E. H. Boylen, interested.

Ohio—Northern Ohio Traction Co. asked State Utilities Commission, Akron, permission to issue $15,000,000 bonds, $2,000,000 to be used for improvements at Akron, Canton and other cities. Charles Currie, Akron, Gen. Mgr.

Ohio—Detroit, Toledo & Ironton R.R. will spend $100,000 for improvements at Toledo. J. F. Frazer, Detroit, Mich., Gen. Mgr.

Indiana—Pennsylvania Lines west of Pittsburgh will extend freight yards and build car repair shop at Richmond. About $550,000. Thomas Rodd, Pittsburgh, Penn., Ch. Engr.

Illinois—Peoria Ry., Peoria, plans improving Heights line. R. F. Palmblade, Peoria, Ch. Engr.

Arkansas—R. W. Mason and S. Q. Sevier, Camden, asked City Council for franchise for railway.

Texas—Aransas Harbor Terminal Railway Co., Aransas Pass, plans improvements. J. D. Wheeler, Aransas Pass, Vice-Pres.

Oklahoma—St. Louis & San Francisco R.R. plans trackage, switches, roundhouse and mechanical plant at Tulsa. About $200,000. F. G. Jonah, St. Louis, Mo., Ch. Engr.

Idaho—Oregon Short Line will extend Burley-Marshfield line 19.3 mi. to Idaho me. About $150,000. E. E. Adams, New York, Consult. Engr.

Idaho—Bannock Valley, Rockland & Southern Railway Co., Pocatello, will be incorporated for railway from Michaud to Utah state line. S. E. Harris, interested.

California—Atchison, Topeka & Santa Fe Ry. will extend line south from Lindsay. C. F. W. Felt, Chicago, Ill., Ch. Engr.

California—Northwestern Pacific R.R. surveying for line from Cummiskey to Anderson Valley, 20 mi. W. S. Palmer, San Francisco, Gen. Mgr.

California—W. T. Owens, Lodi, granted franchise for railway in Lodi.

Manitoba—Canadian Pacific Ry. plans to complete line from Vantage, 7 mi. W. E. Woodhouse, Montreal, Que., Ch. Engr.

British Columbia—Provinical Government, Victoria, sold $2,000,000 bonds for Pacific Eastern Ry. John Callaghan, Vancouver, Ch. Engr.

Bids In and Contracts Awarded

Michigan—Detroit, Pontiac & Owosso Ry., Owosso, let contract line in Pontiac to DETROIT CONSTRUCTION CO. Oliver H. Lau, Detroit, interested. Noted July 29 and Oct. 21.

North Dakota—Great Northern Ry. let contract grading line from Wildrose, 36 mi., to MORRIS, SHEPARD & DAUGHERTY, St. Paul. A. H. Hogeland, St. Paul, Ch. Engr. Noted June 29.

Montana—Chicago, Milwaukee & St. Paul Ry. let contract 22 mi. extension Big Blackfoot Ry. to CLIFTON, APPLEGATE & TOOLE, Spokane, Wash. C. F. Loweth, Chicago, Ill., Ch. Engr. Noted May 25.

Washington—Chicago, Milwaukee & St. Paul Ry. let contract line into timber land Twin River Tract, Olympia Peninsular, Seattle, to GRANT, SMITH & CO., Henry Bldg. C. F. Loweth, Chicago, Ch. Engr. Noted Mar. 30.

Alberta—Edmonton, Dunedan & British Columbia Ry. let contract line from Spirit River to border, 54 mi., to McPHERSON & QUIGLEY, Adams Blk., Edmonton. W. R. Smith, Edmonton, Ch. Engr.

LIGHT, HEAT AND POWER

Proposed Work

Maine, Westfield—Westfield Electric Co., incorporated with $10,000 stock, for electric-light and power plant R. J. Colbath and H. A. Anderson, Mars Hill, interested.

Mass., Quincy—City plans electric-light plant. P. T. O'Brien, City Engr.

Conn., Waterbury—United Electric Light and Water Co. making plans for power plant on Housatonic River east of Bridgeport.

N. Y., East View—(Official)—Building Commission of Westchester County, 15 Court St., White Plains, receiving bids July 13 for high-pressure water-tube boilers for Westchester County Penitentiary and Almshouse, East View. Clark, MacMullen & Riley, 101 Park Ave., New York, Consult. Engr. (See adv. June 29 issue.)

N. Y., Laconia—City voted to install electric-light system.

Penn., Pottstown—W. M. Rutter plans electric-light plant on site of grist mill.

N. C., Apex—City plans electric-light system. About $12,000.

N. C., Chapel Hill—See item under "Water-Works."

Ga., Rome—City votes July 20 on $50,000 bonds for electric-light plant. Noted May 25.

Fla., Tarpon Springs—City soon votes on bonds to install electric-light system or purchase plant of Southern Utilities Co. Noted June 15.

Ala., Decatur—City voted $50,000 bonds for electric-light plant. X. A. Kramer, Magnolia, Miss., Engr. Noted June 8.

Ala., New Decatur—City voted $50,000 bonds for electric-light and power plant. Noted June 1.

Miss., Baldwyn—City receiving bids July 12 for electric-light plant. W. A. Stocks, Mayor. Noted Apr. 13.

Ky., Perryville—Russell Bros. plans to rebuild electric-light plant.

Ohio, Bloomfield—City plans electric-light system.

Ind., Crothersville—City Council granted Frank Brady franchise for electric-light plant.

Mich., Hancock—City Council plans electric-light plant. About $50,000. C. G. Mason, City Engr.

Wis., Brookfield—City plans electric-light plant.

Wis., Marshall—City plans electric-light plant. About $70,000. Henrici, Kent & Lowry, 716 Reserve Bank Bldg., Kansas City, Mo., Engr.

Minn., Minneola—City voted bonds for transmission line from Dodge City to Minneola and new distribution in Minneola.

Neb., Bennet—Fred Stelber interested in electric-light plant in Bennet.

Mont., Fairview—Jennison Light and Power Co., Fairview, plans to extend transmission lines to Sidney.

Mont., Hinsdale—See item under "Water-Works."

Mo., Marshall—City voted $75,000 bonds for electric-light plant. Henrici, Kent & Lowry, 715 Reserve Bank Bldg., Kansas City, Engr. Noted June 22.

Tex., Terrell—Texas Power and Light Co., Dallas, plans substation in Terrell. E. Oram, Engr.

Idaho, Burley—City votes on $40,000 bond issue for extension to electric-light and water systems.

Calif., Blythe—City plans electric-light system.

Ont., Almonte—Town Council plans hydro-electric plant. About $18,000.

B. C., Edmonds—Western Canada Power Co. plans transmission lines on Cariboo Rd.

Bids In and Contracts Awarded

N. J., Newark—Splitdorf Electrical Co. let contract reinforced-concrete power house to AMERICAN CONCRETE STEEL CO., Newark.

Penn., Polk—State Institute for Feeble Minded let contract boiler house and power plant to C. F. HAMILTON, INC., Franklin, $33,217.

Miss., Flora—(Official)—City let contract electric-light system to FAIRBANKS MORSE CO. Noted June 22.

Iowa, Ft. Dodge—City let contract dam, power house, etc., in connection with hydro-electric plant to KOSS CONSTRUCTION CO., Des Moines, $80,000; machinery, MERKLE-HINES MACHINERY CO., Inter-State Bldg., Kansas City, Mo. Noted Feb. 17 and May 11.

BRIDGES

Proposed Work

N. H., Haverhill—(Official)—Town receiving bids July 8 for 3 span, 265-ft. steel bridge over Connecticut River between Haverhill, N. H., and Newbury, Vt. Storrs & Storrs, Concord, Engr.

Mass., Millbury—City making plans for concrete bridge over Blackstone Canal on Elm St. About $5,000.

Mass., Salem—(Official)—Essex County, Court House, receiving bids July 13 for rebuilding Essex Bridge over Danvers River between Salem and Beverly. M. Kimball, Comr. Noted Dec. 2. (See adv. June 29 issue.)

Mass., Westfield—City receives bids for concrete bridges over Little River on Southwick Rd., about $18,000, and Munns Brook, on Loomis St., about $6,000. J. L. Hyde, City Engr. Noted June 22.

N. Y., Bennington—Citizens vote July 6 on $22,000 bonds for bridges on Buffalo-Moscow Rd.

N. Y., Ithaca—City plans concrete bridge at Van Natta Dam. About $8,000. J. Townley, City Engr.

N. Y., Malone—Rutland R.R. plans double-arch concrete bridge on Morton St. About $7,500. G. T. Jarvis, Rutland, Vt., Vice-Pres. and Gen. Mgr.

N. Y., Utica—City plans retaining wall along northerly approach to river bridge. Joseph Kemper, City Engr.

N. J., Singac—Passaic County receives bids for reinforced-concrete bridge over Passaic River at Singac. About $40,000. G. Ferguson, Court House, Paterson, Engr.

Penn., Athens—Superintendent of Public Grounds and Buildings, Capitol, Harrisburg, receiving bids July 11 for bridge across north branch of Susquehanna River at Athens. D. A. Keefe, Consult. Engr.

Penn., Hummelstown—County plans reinforced-concrete bridge over Swatara Creek at Hummelstown. About $20,000. Address County Clerk, Harrisburg.

Penn., Reading—County plans bridge at foot of Bingaman St. A. Sanders, County Engr.

W. Va., Fairmont—Chamber of Commerce approved plan of City Board of Affairs for $900,000 bonds for bridges over Monongahela River.

W. Va., Parkersburg—Kanawha Traction and Electric Co. and Wood County Commissioners plan bridge above Boaz Stop.

Va., Richmond—(Official)—Richmond, Fredericksburg & Potomac R.R. not to build belt-line bridge, as stated in issue of June 22.

Ga., Griffin—Southern Ry. plans new bridge on Taylor St. B. Herman, Washington, D. C., Ch. Engr. M. W. and Struct.

Fla., West Palm Beach—Palm Beach County voted bonds for bridge over Lake Worth. Address County Clerk, West Palm Beach.

Miss., Pascagoula—Jackson County receiving bids Aug. 1 for bridge over West Pascagoula River. Address Chancery Clerk, Pasagoula. D. U. Harris, Box 476, Mobile, Ala., Engr. Noted June 1.

La., Lake Charles—City lets contract for concrete arch bridge over Pithon Coulee in September. E. L. Gorham, City Engr. Noted June 1.

Ky., Nicholasville—Jessamine County plans bridges. Address County Clerk, Nicholasville.

Ohio, Akron—Summit County plans bridge at West Exchange St. About $50,000. E. W. Paul, Court House, Engr.

Ohio, Akron—County receiving bids July 12 for $66,990 bonds for bridges. U. G. High, Akron, Clk.

Ohio, Canal Dover—City plans 1,100 ft. steel viaduct over tracks of Baltimore & Ohio and Pennsylvania R.R. A. Arnold, City Engr.

Ohio, Cleveland—(Official)—Cuyahoga County receiving bids July 8 for bridge work per Report 3841. W. A. Stinchcomb, County Surv. E. G. Krause, Cleveland, Clk.

Ohio, Dayton—Montgomery County receiving bids July 20 for steel bridge superstructure in Jefferson Township. W. H. Aszling, Dayton, Clk.

Ohio, Hubbard—Youngstown Sheet and Tube Co. plans bridge near Andrew Hitchcock plant. About $50,000. J. A. Campbell, East Youngstown, Pres.

Ohio, Napoleon—Henry County receiving bids July 10 for bridges and walls. G. E. Rafferty, Napoleon, Audr.

Ohio, Warren—County receiving bids July 17 for Guthrie Bridge. W. L. Hoffman, Warren, Clk.

Ind., Indianapolis—Marion County sold $100,000 bonds for bridge over Fall Creek on Senate Ave. L. K. Fesler, Indianapolis, Audr. Noted Feb. 24 and May 11.

Ind., Peru—(Official)—Howard and Miami Counties, Peru, receiving bids July 17 for bridge over Little Pipe Creek between 2 counties. Frank K. M'Elhany, Audr.

Mich., Marshall—City receiving bids July 11 for reinforced-concrete bridge over Kalamazoo River on South Kalamazoo Ave. About $8,000. J. D. Wright, City Recdr. Noted June 8.

Mich., Mt. Clemens—City plans bridge on South Gratiot St. About $35,000.

Mich., Saginaw—City will repair Bristol St. Bridge. About $15,000. H. H. Eymer, City Engr.

Ill., Chicago—Illinois Central R.R. plans bridge and subways between 51st and 62nd St. Estimated cost, $1,000,000. A. S. Baldwin, Chicago, Ch. Engr. T. L. Thompson, Engr.-in-charge.

Ill., Chicago—City preparing plans for bridges over Chicago River at Wells, Clark and Franklin St. Thomas Pihlfeldt, 402 City Hall, Bridge Engr. Noted May 25 and June 15.

Wis., Chippewa Falls—City receiving bids July 11 for concrete arch bridge over Duncan Creek on Spring St. J. C. Hurd, City Engr.

Minn., Aitkin—County receiving bids July 14 for State Bridge No. 2233 in Spencer Township.

Minn., Appleton—County receiving bids July 10 for 2 reinforced-concrete culverts. D. P. Carney, Benson, County Audr.

Minn., Benson—County receiving bids July 10 for 3 reinforced-concrete culverts. E. B. Carney, Benson, Audr.

Minn., Caribou—State plans steel bridge over Roseau River. About $5,000.

Minn., Faribault—County receiving bids July 10 for State Bridge 2286. F. M. Kaisersatt, Faribault, Audr.

Minn., Luverne—County receiving bids July 11 for 9 concrete culverts, State Rd. No. 5, 2 on State Rd. No. 2 and 3 on State Rd. No. 4.

Minn., Mantorville—County receiving bids July 10 for State Bridge 2289. George L. Taylor, County Audr.

Minn., Red Lake Falls—County receiving bids July 10 for bridge or concrete culvert. G. Dupont, Red Lake Falls, Audr.

Minn., Rich Valley—State Highway Commission, St. Paul, receiving bids July 17, 75-ft. steel truss bridge.

Minn., Shakopee—County receiving bids July 11 for bridge. A. J. Mayer, Shakopee, Audr.

Minn., Winona—County receiving bids July 11 for State Bridge No. 1509. C. W. Anding, County Audr.

Kan., Girard—Crawford County receiving bids July 24 for bridges. About $5,000. C. C. Everitt, Girard, Clk.

Kan., Pittsburg—Crawford County receiving bids July 24 for bridge over Cow Creek on West 4th St. Address County Clerk, Pittsburg.

Kan., Topeka—City made plans for 90-ft.- reinforced-concrete bridge over Shunganunga Creek. About $15,000. A. F. Young, City Engr.

Kan., Westmoreland—County receiving bids July 1 for two 260-ft. bridges over Blue River. G. H. Hungerford, Westmoreland, Clk. J. E. Williams, Engr.

S. D., Madison—City receiving bids July 12 for bridge on Egan Ave. William Rae, Audr. Noted June 22.

Mont., Sidney—County receiving bids July 13 for steel bridges. Address County Clerk, Glendive.

Mo., Springfield—Greene County receiving bids July 13 for 4 reinforced-concrete bridges. J. L. Likens, Springfield, Clk. J. R. McAfee, Engr. Noted June 15 and 29.

Mo., Springfield—Springfield Traction Co. plans viaduct and park entrance at Walnut Grove Park. About $15,000. Charles H. Guckel, Springfield, Gen. Mgr.

Tex., Ft. Worth—City plans to vote on $25,000 bonds for Allen Ave. Viaduct. F. J. Von Zuben, City Engr.

Tex., Groveton—County plans bridge over Trinity River. About $60,000. Address County Clerk, Groveton.

Tex., Port Arthur—Citizens voted $22,000 bonds for bridges over Sabine Neches Canal.

Tex., Wichita Falls—County voted $80,000 bonds for bridges. Address County Clerk, Wichita Falls. Noted May 25.

Okla., Jay—Delaware County votes Aug. 1 on $50,000 bonds for bridges. Address County Clerk, Jay.

Calif., Napa—County receiving bids July 25 for concrete bridge over Conn Creek. N. W. Collins, Napa, Clk.

Calif., Petaluma—City plans $40,000 bond issue for bridge over Thompson Creek.

Calif., San Francisco—Wilbur Watson & Co., Consult. Engr., Leader News Bldg, Cleveland, Ohio, made plans for bridge over San Francisco Bay connecting San Francisco, Oakland, Berkeley and Alameda. About $40,000,000. O. E. Hotle, Chn. of Com. of 4 cities.

Ont., Kent—City soon lets contract for bridges. About $22,000. Address A. McArthur, Tupperville.

Ont., Pembroke—Plans prepared by J. T. Morris Pembroke, for bridge over Madawaska River. Estimated cost, $10,000.

Ont., Toronto—Plans prepared for steel bascule bridge over Don Diversional Channel at Cherry St. E. L. Cousins, 50 Bay St., Toronto, Ch. Engr.

B. C., Vancouver—Department of Public Works plans steel bridges over Nechaco River at Prince George and Vanderhoof. About $25,000 and $15,000 each.

Bids In and Contracts Awarded

Conn., Derby—State Highway Commission, Hartford, let contract bridge over Housatonic River between Derby and Shelton to ARTHUR McMULLEN CO., 149 Broadway, New York, $248,725. Noted June 1 and 29.

La., Winnfield—Winn Parish let contract 7 bridges to BLODGETT CONSTRUCTION CO., Kansas City, Mo.

Tenn., Jonesboro—Washington County Commissioners let contract bridge across Nolachuckey River to VINCENNES BRIDGE CO., $8,487.

Ohio, Ashland—Ashland County let contract bridge over Savannah-Vermilion Rd. in Ruggles Township to G. E. SCOTT, Norwalk, $6,744.

Ohio, Dayton—(Official)—County let contract substructure for bridge in Harrison Township to E. H. FAUVER, 3rd and Detroit St. Noted June 22.

Ohio, Galion—Crawford County let contract substructure for bridge on Columbus St. to O. C. MORROW, Galion, $2,682; superstructure, ELKHART BRIDGE AND IRON CO., Elkhart, Ind., $5,478. Noted Apr. 20.

Ohio, New Lexington—City let contract bridge over Conly Run, Broadway, to CAPITAL CONSTRUCTION CO., Columbus. Noted June 1.

Ohio, Zanesville—Baltimore & Ohio R.R. let contract bridge to NEYS & McDONALD, McDonald, Penn.

Ind., Frankfort—Clinton County let contract 5 bridges to WILLIAM J. NEES.

Mich., Benton Harbor—City let contract bridge over Paw Paw River to WALBRIDGE ENGINEERING CO., Chicago, $15,735. Noted May 11 and June 1.

Ill., St. Augustine—State Highway Department let contract bridge to R. J. DWYER.

Ill., Springfield—State Highway Department let contracts bridges in Knox County, Section B, to CAMERON, JOYCE & CO., Keokuk, $17,891; McDonough County, Section E, MILLER & HUSBAND, Springfield, $4,090.

Wis., Albany—Contract let to L. GREEN & SON for 4 concrete bridges.

Wis., New Richland—Contract let to M. LYNCH for bridge work over Miller Creek in Lakeland.

Wis., Waterloo—Contract let to REDMAN BROS. for bridge over Jordan Hollow.

Minn., Mahnomen—City let contract bridge over Wild Rice River to MINNEAPOLIS BRIDGE CO., Minneapolis, $4,100.

Minn., St. Paul—City rejected only bid north spans of Mississippi St. Bridge over Great Northern Ry. Noted June 15.

Kan., Kansas City—Wyandotte County rejected bids bridges across Turkey Creek on Reidy Rd.

Wyo., Sheridan—City rejected bids for bridge over Big Goose Creek. Noted May 4 and June 8.

Mont., Glasgow—County let contract bridge over Milk River to O. E. PEPPARD, Missoula, $6,797.

Okla., Chandler—Lincoln County rejected bids for bridges and culverts. Noted May 25.

Okla., Oklahoma—Oklahoma County let contract 5 bridges to OKLAHOMA BRIDGE CO., $5,667; 1 to BOARDMAN & CO., $4,200.

WATER-WORKS

Proposed Work

Maine, Skowhegan—Trustees of Women's Reformatory receiving bids July 15 for pipe line for bringing water to building site for reformatory, 3,900 ft. C. H. Smith, Chn.

Mass., Holbrook—City receiving bids July 22 for 5,695 ft. 6-in. pipe in South St.

Conn., Hartford—Water Commissioners plan to extend main on Terryville Ave. W. S. Garde, Supt.

N. Y., Oneida—City plans water system. H. M. White, Supt.

N. J., Bloomingdale—Butler Water Co., Butler, plans to extend system from Bloomingdale to Riverdale. W. Lawler, Butler, Pres.

N. J., Bogota—Bogota Water Co. plans new pumps.

N. J., Clinton—Clinton Water and Supply Co. plans new mains to connect with Clinton Reservoir. C. Tomson, Secy. and Gen. Mgr.

N. J., Flemington—State Department of Health approved plans for extending water system. G. Davis, Engr.

N. J., Keyport—City plans to improve filter beds. R. O. Walling, Mayor.

N. J., Millville—City will issue bonds for pumping station and sewer work. W. B. Wade, City Engr. Noted Apr. 27.

Penn., Erie—(Official)—Commissioners of Water Works receiving bids July 14 for pumping engine. Chester & Fleming, Pittsburgh, Engr. See adv.)

Penn., Morrisville—City voted $27,500 bonds for filter plant. Noted Nov. 18 and June 1.

Penn., Mt. Pleasant—Mt. Pleasant Water Co. plans filter plant at Bridgeport Dam.

Penn., Quarryville—Borough plans water-works.

Penn., Summithill—Summithill Water Co. retained Farley Gannet, Engr., Telegraph Bldg., Harrisburg, to investigate improvements to system. John E. McCready, Pres.

Penn., Turentum—Allegheny Valley Water Co. plans steel standpipe in hill district. H. M. Meberrath, Pres.

Md., Rising Sun—City plans $16,000 bond issue for water-works and paving.

N. C., Chapel Hill—Trustees of University of North Carolina will spend $42,000 for water system and electric-light and heating plant. J. B. McCrary, Atlanta, Ga., Engr.

N. C., Wilkesboro—City voted $15,000 bonds for water-works. Noted May 11.

N. C., Wilmington—City receiving bids July 19 for 500 ⅝x¾-in. water meters. T. B. Meares, City Clk.

Ga., Atlanta—Atlanta Steel Co. plans improving water system.

Ga., Cochrane—City voted $20,000 bonds to extend water-works. J. C. Urquhart, Mayor.

Ga., Lavonia—City voted $30,000 bonds for water-works. Noted Apr. 20.

Ga., Washington—City defeated $10,000 bond issue for water and sewer systems. Noted June 15.

Miss., Bayou—City receiving bids July 13 for water-works. S. H. Harris, Clk.

Miss., Potts Camp—Board of Aldermen plans $8,000 bonds for water works.

Tenn., Bristol—City plans water-works. About $160,000. Knight & Quayle, Chattanooga, Engr.

Ohio, Medina—(Official)—Village receiving bids July 10 for $25,000 bonds for water system. O. O. Vandeusen, Clk.

Ind., Leesburg—City having plans made for water-works.

Mich., Highland Park—City received plans for storage reservoir and filter plant from W. G. Hoad, Consult. Engr., University of Michigan, Ann Arbor. About $344,740. Noted Feb. 10 and Apr. 27.

Ill., Normal—(Official)—City soon receives bids for septic tank and well. About $22,000. G. C. Broyhill, Engr. Noted May 18 and June 22.

Ill., Wyanet—Citizens voted $8,000 bonds for water system. Noted Apr. 27 and June 1.

Wis., Brookfield—City plans water-works.

Wis., Shawano—Electric Light and Water-Works Commission receiving bids July 27 for concrete dam with concrete flumes, draft tube, core walls and abutments, power house and earth dike. Power Engineering Co., Corn Exchange Bldg., Minneapolis, Engr. Noted Mar. 23.

Minn., Lake City—City making plans for water-works. L. P. Wolff, 1000 Germania Life Bldg., Consult. Engr.

Kan., Lawrence—City voted $175,000 bonds to purchase water plant and will spend $200,000 for improvements. Black & Veatch, Inter-State Bldg., Kansas City, Mo., Engr. Noted May 11 and 18.

Kan., Minneola—City voted $15,000 bonds for water system.

Neb., Dixon—City voted $6,500 bonds for water-works. Noted June 1.

Neb., Johnson—City voted $9,000 bonds for water system. Noted June 15.

Neb., Ralston—City receiving bids July 10 for 10- or 8-in. well with complete standard casing and brass strainer. L. S. Packard, Clk.

Neb., Wayne—City soon votes on $12,000 bonds for extending water system. E. Murrill, Supt.

Mont., Harlowton—See item under "Sewers."

Mont., Hinsdale—City contemplates bids for water system and electric-light plant. Noted Apr. 20 and June 8.

Mont., Lovell—City plans water and sewer systems. About $60,000 bonds sold.

Mont., Sheridan—City receiving bids July 14 for water system. About $28,000. G. E. Baker, Whitehall, Engr. Noted June 8 and 22.

Ark., Eudora—City plans water system.

Tex., Ft. Worth—City plans $25,000 bonds for water-works.

Tex., Kingsville—City voted $150,000 bonds for water system.

Tex., Moody—Citizens defeated $20,000 bonds for water system.

Tex., Terrell—City plans water main in North Adelaide St. C. Newman, Supt.

Tex., Troup—City receiving bids July 12 for material for water-works. J. D. Collier, City Secy. Noted Apr. 27.

Tex., Wellington—City Council plans election to vote bonds for water system.

Okla., Ardmore—City plans $65,000 bonds for extending water mains and sewers. W. H. Fraley, Supt. E. E. Elrod, Southwestern Life Bldg., Dallas, Tex., Consult. Engr. Noted June 15.

Okla., Coweta—City voted $6,000 bonds for water system.

Okla., McCloud—City votes July 10 on $15,000 bonds for water system. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr. Noted June 8 and 15.

Idaho, Burley—See item under "Light, Heat and Power."

Idaho, Franklin—Citizens voted $28,000 bonds for water system.

Idaho, Minkereek—City voted $7,600 bonds for water system.

Wash., Blaine—City will vote on bonds for water system.

Ore., Merrill—City voted $6,000 bonds for water system.

N. S., Halifax—(Official)—Mayor, City Hall, receiving bids July 19 for water meters. H. W. Johnston, City Engr. (See adv.)

Ont., Kingsville—City plans to improve pumping plant. About $16,000. G. Pearse, Clk.

Ont., Sarnia—City plans 3 filter basins at water-works. Estimated cost, $5,000. James Turner, Engr.

B. C., Maillardville—City will soon let contract for water system. About $10,000. Noted Mar. 2 and 23.

Bids In and Contracts Awarded

N. Y., New York—(Official)—Board of Water Supply let contract for buildings and miscellaneous work, Silver Lake reservoir, Staten Island, Contract 144, to P. T. COX, Manhattan Bridge Plaza, $40,923. Noted May 25 and June 22.

Penn., Philadelphia—Bureau of Water let contract electrical equipment for Shawmont and Roxborough pumping stations to F. J. BOAS, 201 North Broad St., $67,300. Noted June 22.

Tenn., Memphis—City let contracts 3 concrete reservoirs at Bayou Gayoso Pumping Station to A. DE FRANCHESCHI, $11,547, Reservoir No 4; KOEHLER BROS.-FOWLER CONSTRUCTION CO., Memphis, Reservoir Nos. 2 and 3, at $28,371 and $25,633 respectively. Noted Apr. 27.

Ohio, Cleveland—Board of Control rejected bids for 3-, 4-, 5-, 6- and 7-in. disk water meters. Noted June 15.

Ohio, Cleveland—Board of Control awarded contract ⅝-, 1-, 1½- and 2-in. disk water meters to BUFALO METER CO., $22,285. Noted June 15.

Ind., New Castle—(Official)—City let contract well to KRAUSS & SONS, Pratt and Missouri St., Indianapolis. Noted June 22.

Mich., Crystal Falls—City rejected bids for distribution system. Noted May 11 and 25.

Mich., Menominee—(Official)—City let contract filter plant and other improvements to water system to PITTSBURGH FILTER MANUFACTURING CO., Pittsburgh, $49,212. Noted June 8 and 15.

Ill., Quincy—Quincy Mining Co. let contract water system to HERMAN STENSRUD, Marquette, Mich.

Wis., Mineral Point—(Official)—City let contract pumping station to KIRST & SKIDMORE, Mineral Point, at $4,914.

Iowa, Ft. Dodge—City let contract dam to KOSS CONSTRUCTION CO., Des Moines, $80,000. Noted Apr. 27.

Minn., St. Paul—City let contract 2 coagulating basins to W. J. HOY & CO., St. Paul, $135,960. Noted May 11 and June 15.

Ark., Harrison—(Official)—Commissioners of Water District No. 1 let contract water system to PLUMEER-ADAMS CO., Springfield, Mo., $44,407. Noted June 22.

Okla., Henryetta—City let contract filter plant to F. D. MARTIN CONTRACTING CO., $10,000.

Idaho, Preston—City let contract water-works to G. A. STOWELL, Preston, $7,600.

Calif., Pasadena—City received low bid for lining Sheldon Ave. reservoir from Andrew Holloway, Pasadena, $8,574 for Clinton reinforcing and $8,231 for American reinforcing. Noted Jan. 6.

Man., Winnipeg—City let contract water mains Pine, Sargent and Wellington St. to THOMAS JACKSON & SONS.

SEWERS

Proposed Work

Maine, Skowhegan—City receiving bids July 15 for sewer on Reformatory property. Clyde H Smith, Chn. of Trustees. G. H. Webb, City Engr.

Mass., Leomister—City plans sewer system in North Leominster and Whalom sections. J. H. Johnson, Supt. St.

R. I., Woonsocket—(Official)—Sewer Commissioners receiving bids July 13 for sanitary sewers. Frank H. Mills, City Engr. (See adv., July 29 issue.) Noted June 1.

Conn., Bridgeport—(Official)—Paving and Sewer Commission, Room 2, City Hall, receiving bids July 20, for 9,400 ft of 60-, 66- and 72-in. sewer, average cut about 24 ft. A. H. Terry, City Engr. (See adv.)

N. Y., Buffalo—City sold $50,000 bonds for sewers. G. H. Norton, City Engr. Noted Nov. 25.

N. Y., New York—(Borough of Bronx)—Douglas Mathewson, Borough Pres., receiving bids July 11 for sewers in various streets.

N. Y., Warsaw—City plans election to vote on $200,000 bonds for sewers and paving.

N. J., Cranford—Cranford, Rahway, Union, Springfield, Garwood and Hillside plan joint trunk sewer and sewage-disposal plant. About $800,000.

N. J., Little Falls—Township Committee receiving bids July 12 for sewage-disposal plant. H. J. Harder, 140 Market St, Paterson, Engr. Noted Mar. 23 and June 8.

N. J., Millville—See item under "Water-Works."

N. J., Newark—(Official)—Passaic Valley Sewerage Commission, Essex Bldg, receiving bids July 18 for Section 22, Lawrence Street Branch Intercepting Sewer. Joseph H. Quigg, Clk. (See adv.) Noted June 29.

Penn., Arnold—Citizens voted $35,000 bonds for sewers and paving.

N. C., Henderson—City receiving bids July 18 for sanitary sewers and sewage-disposal plant. Anderson & Christie, Inc., Charlotte, Engr.

Ga., Cochran—City voted $15,000 bonds for sewer system. Noted Apr. 13.

Ga., Lavonia—City voted $15,000 bonds for sewers.

Ga., Washington—See item under "Water-Works."

Fla., Tampa—City receiving bids for storm sewer in Cleveland St. About $11,000. R. D. Martin, City Engr.

La., Lafayette—City plans sewer system.

Tenn., Dyersburg—See item under "Streets and Roads."

Ky., Hickman—City plans sewer system.

Ky., Marion—City plans sewer and septic tank near creek at Boston's planing mill. About $70,000.

Ohio, Cuyahoga Falls—See item under "Streets and Roads."

Ohio, Lorain—City plans sewer in Iowa Ave. C. M. Osborn, City Engr.

Ohio, Middletown—City Commission plans trunk sewer in 3rd St. About $47,500. W. C. Morrison, City Engr.

Ohio, Portsmouth—City will sell $42,000 bonds July 25 for sewers. L. A. Zucker, Audr.

Ohio, Springfield—City plans combined sewer system for North Side. About $31,000. M. J. Bahin, City Engr.

Ohio, Sylvania—City receiving bids July 12 for sewers in Ottawa, Erie and Summit St. W. J. Sherman Co., 615 Nasby Bldg., Toledo, Engr. P. Wagonlander, Clk.,

Ohio, Wapakoneta—See item under "Streets and Roads."

Ohio, West Park—Village receiving bids July 24 for sanitary sewers in Lorain Ave. and Riverside Dr. Fred Feuchter, Clk. Noted Apr. 6.

Ohio, Zanesville—City plans sanitary sewer in Seventh Ward.

Ind., Peru—City plans sewers in 2nd, 3rd, Lincoln and Smith St. John Horan, City Engr.

Mich., Mason—City plans sewers in West and North St. J. E. Welsh, City Clk.

Ill., Sparta—(Official)—Board of Local Improvements receiving bids July 10 for sanitary sewers and disposal plant. About $54,680 James F. Swain, City Clk. (See adv. July 29 issue.)

Wis., Clintonville—City receiving bids July 11 for sewer in Young, Grover St. and Lincoln Ave.

Wis., Stevens Point—City plans sewers. About $20,000. E. Anthuty, City Engr.

Iowa, Oelwein—City will extend sewer system.

Minn., Mabel—City made plans for sewer system and sewage-disposal plant. John F Druar, 511 Commercial Bldg., St. Paul, Consult. Engr. Noted Apr. 27.

Minn., Madison—City voted $26,000 bonds for sewers.

Minn., Pipestone—City receiving bids July 10 for storm-water sewers. S. W. Funk, City Clk. Noted June 29.

Minn., Red Lake Falls—City receiving bids July 17 for sewers. J. Perrault, City Clk. J. A. Wallace, Crookston, Consult. Engr. Noted Mar. 30.

Kan., Belleville—City receives bids for sewer system and sewage-disposal plant. About $45,000. Black & Veatch, Kansas City, Mo., Engr. Noted Mar. 30.

Kan., Ellis—City receiving bids July 13 for sewer system. About $35,000. R. T. Payne, Clk. Black & Veatch, Interstate Bldg., Kansas City, Mo., Engr. Noted Mar. 30.

Kan., Hiawatha—City plans $20,000 bonds for sewage-disposal plant and sewer system. Black & Veatch, 507 Inter-State Bldg., Kansas City, Mo., Engr. Noted Apr. 13.

Kan., Wichita—City made plans for sanitary sewer in northeast section. About $180,000. Bert Wells, City Engr. Noted June 29.

Neb., Fremont—City plans sewage-disposal plant. About $50,000. L. M. Roessler, City Engr.

Neb., Red Cloud—City plans bond issue for sewers.

Mont., Lovell—See item under "Water-Works."

Mont., Walkerville—City making surveys for sewer system.

Mo., Salisbury—City soon votes on $25,000 bonds for sewer system. Noted May 11.

Ark., Malvern—City plans sewer system in Improvement District Nos. 12 and 13.

Tex., Bryan—City will spend $35,000 for sewage-disposal plant and sewers. A. S. Adams, City Engr.

Tex., Ft. Worth—E. T. Tyra, Mayor, W. B. Collins, State Health Officer and V. M. Ehlers, State Sanitary Engr., plan sewage-disposal plant; also election to vote on $350,000 bonds for same.

Okla., Ringling—City voted $30,000 bonds for sewers. F. C. Ingham. City Engr.

Calif., Auburn—City will soon let contract for septic tank. Noted Apr. 20 and June 22.

Calif., Los Angeles—Citizens defeated $1,800,000 for sewage-treatment plant.

Bids In and Contracts Awarded

Mass., Huntington—Board of Commissioners of Huntington Fire District let contracts sewers to FRANK D. O'CONNOR, Holyoke, and A. P. STANTON, Huntington. Noted June 15.

Conn., Hartford—City let contract sewer in Tower Ave. and other streets to A. D. AMBROSIA, 601 Front St., Hartford, $18,948. Noted June 15.

N. Y., Batavia—City let contract storm sewer in Ellicott St. to THOMAS HOLIHAN, Rochester, $5,764.

N. Y., Fairview—City rejected bids for drain in 9th St.

N. Y., New York—(Borough of Manhattan)—(Official)—Low bids received June 28 for receiving basins on (a) Broadway, (b) 125th St. and 5 other streets, (c) Park Ave., from Gasparini & Deblasio, 1964 Honeywell Ave., Bronx, (a) $11,440; Melrose Construction Co., 147 East 125th St., (b) $7,465; Burnside Contracting Co., (a) $11,611; J. C. Rodgers, Jr., (a) $11,759, (b) $8,753, (c) $16,867; Patrick Reilly, (b) $8,369, (c) $16,185; Briggs & McLaughlin, (c) $17,539. Noted June 22.

N. J., Lodi—City let contract sewers and sewage works to NAPOLI & TORELLO CONSTRUCTION CO., Hackensack, $186,580. Noted June 1.

Penn., Hellertown—City let contract sewage-disposal plant to GREEN-STARR ENGINEERING CO., 1530 Chestnut St.

Va., Richmond—(Official)—City let contracts 5 sections concrete sewer along Bacon's Quarter Branch to ELKAN & TUFTS, Macon, Ga., $75,992, Section 3; A. W. MAYNARD, Richmond, $47,857, Section 4; OCEAN CONSTRUCTION CO., Richmond, $48,749, Section 5; LOUIS HANKINS, Richmond, $45,677, Section 5A; VAN DOREN BROS., Richmond, $69,470, Section 5B. Noted June 1.

Miss., McComb—City let contract sewer system and sewage-disposal plant to INLAND CONSTRUCTION CO., about $90,000. Noted June 15.

Ky., Dayton—City let contract storm sewer to J. H. CAHILL, Louisville, $97,199.

Ky., Lexington—City let contract outfall sewer to CAREY-REED CO., $26,000. Noted May 4.

Ind., Logansport—City let contract sewer system to FOULKES CONSTRUCTION CO., Terre Haute, $317,000. Noted Nov. 11.

Mich., Grand Ledge—City let contract sewer extensions to C. E. PICKENS, Grand Ledge.

Wis., Reedsburg—Board of Public Works let contract sewer in Oak and Division St. to WILLIAM MILLER.

Iowa, Grinnell—City let contract sewer in East 7th St. to J. W. TURNER IMPROVEMENT CO., Des Moines.

Iowa, Lake View—City rejected bids lateral sewers and sewage-disposal plant. E. P. Hartman, Clk. Noted May 11.

Neb., Fairbury—City let contract sewers in 4 districts to GEORGE L BLASNICK, Lincoln. About $6,000. Noted June 29.

N. D., Jamestown—City let contract sewers and sewage plant to WILLIAM DANFORTH, St. Paul, $68,500. Noted June 22.

Tex., Houston—City let contract storm sewer in Page St. to TEXAS CONSTRUCTION CO., $52,350. Noted June 29.

Tex., Houston—(Official)—Low bids received June 23 for (a) North side pumping station, (b) north side disposal plant, (c) south side disposal plant, (d) south side pumping station from Horton & Horton, (a) $33,826, (b) $186,549, (c) $109,378, (d) $26,849; H. C. Gass, (a) $35,187, (b) $193,199; Jerome Cochran, (c) $88,044, (d) $27,150; Charles S. Basham, (c) $82,602, (d) $24,279. E. E. Sands, City Engr. Noted June 15.

Mont., Harlowton—City let contract sewers and water-works to R. M. BARDSEN & CO., Butte, $39,670. Noted June 8 and 29.

GARBAGE

Proposed Work

N. J., South Orange—Village Improvement Society negotiating with Board of Trustees for garbage incinerating plant.

Ga., Macon—City plans garbage disposal plant, about $12,000.

Ky., Nashville—City plans garbage disposal plant.

Mo., Joplin—City plans garbage-disposal plant. J. J. McAfee, City Engr.

Idaho, Pocatello—L. W. Phillips and associates plan garbage incinerator. About $40,000.

STREETS AND ROADS

Proposed Work

Mass., Beverly—City plans to improve Heather St. H. L. Whitney, City Engr.

Mass., Holyoke—City plans sidewalks on portion Smith St.

Mass., Malden—Common Council voted $20,000 bonds for paving portion Pleasant St.

R. I., Cranston—City sold $50,000 bonds for highways. Noted June 22.

Conn., Winchester—Board of Selectmen, Town Bldg., Winsted, receiving bids July 12, for portion concrete or bituminous road on Main St. P. J. Darcey, Chn.

N. Y., Albany—City plans improving Central Ave. and Liebet and Leedale St. F. R. Lanagan, City Engr.

N. Y., Albion—City sold $94,500 bonds for paving. Noted May 11.

N. Y., Brookhaven—Town receiving bids July 8 for 5 sections concrete pavement. C. E. Dare, Supt. of Highways. E. A. May, Patchogue, Engr.

N. Y., Buffalo—City will pave portion East North and Main St. G. H. Norton, City Engr.

N. Y., Buffalo—City receiving bids July 14 for paving Taft, Parkside, Archer, Colvin and Holden St. G. H. Norton, City Engr.

N. Y., New York—(Borough of Bronx)—Douglas Mathewson, Borough Pres., Municipal Bldg., 177th St. and 3rd Ave., receiving bids July 11, for paving portion East 193rd St. with bituminous concrete, repaving portion East 138th St. with redressed granite blocks and improving portion East 184th St.

N. Y., New York—(Borough of Brooklyn)—Park Board, Municipal Bldg., Manhattan, receiving bids July 13 for 1,900 cu.yd. trap rock and trap rock screenings to parks and parkways.

N. Y., New York—(Borough of Richmond)—Calvin D. Van Name, Borough Pres., Borough Hall, St. George, New Brighton, receiving bids July 11 for improving portion Fairmont Ave.

N. Y., North Tonawanda—City plans paving Oliver and Goundry St. with brick. Carl Gelkers, City Engr.

N. Y., Rochester—City plans to improve portions Genessee Blvd. Estimated cost, $180,000. F. T. Elwood, City Engr.

N. Y., Rochester—City plans paving Willmont St. and University Ave. with asphalt. About $18,000. F. T. Elwood, City Engr.

N. Y., Rome—City making plans paving Ridge St. with asphalt or bitulithic. About $5,000. John F. Plunkett, Engr.

N. Y., Tonawanda—City plans paving Scott St. with concrete. B. Hinkley, City Engr.

N. J., Bayonne—City Commissioners receiving bids July 11 for improving portions 22nd, 8th and 5th St. and Ave. C. with granite block concrete or asphalt. Walter L. Clarkson, City Engr.

N. J., Jersey City—City Commissioners receiving bids July 11 for improving Merritt St. M. I. Fagen, City Clk. C. A. Van Keuren, City Engr.

N. J., Lakewood—Town receiving bids July 8 for 13,433 sq.yd. paving. G. H. Hurlburt, Clk. Dermeule & Bishop, 203 Broadway, New York, Engr. Noted Feb. 17.

N. J., Oaklyn—City making plans paving various streets. Remington & Vesbury, 6th and Market St., Camden, Engr.

N. J., Somerville—Somerset County plans to improve Mt. Bethel, Oppenheim, South Branch and York Rd. and Rock Ave. and New Jersey Turnpike. Address Board of Freeholders, Somerville.

N. J., Westfield — (Official) — Town Council, Town Hall, receiving bids July 17 for improving portions Stanley, Tremont, Mountain, South and North Ave. A. W. Vars, Engr. (See adv. June 29 issue.)

N. J., Westville—City receives bids curbing and sidewalks. About $10,000. Remington & Vesbury, 6th and Market St., Camden, Engr.

Penn., Arnold—See item under "Sewers."

Penn., Ashley—City plans paving Manhattan St. F. Butts, Miners Bank Bldg., Wilkes-Barre, Engr.

Penn., Ashley—City plans repaving Main St. F. Butts, Miners Bank Bldg., Wilkes-Barre, Engr.

Penn., Birdsboro—City plans paving. W. H. Dechant & Son, Baer Bldg., Reading, Engr.

Penn., Carbondale—City plans paving Washington St. About $10,000. J. A. Saxe, City Engr.

Penn., Catasauqua—City plans paving Race St. Bascom & Sieger, Allentown Bank Bldg., Allentown, Engr.

Penn., Edwardsville—City plans paving Russell St. F. Butts, Miners Bank Bldg., Wilkes-Barre, Engr.

Penn., Harrisburg—State Highway Department receiving bids July 19 for highways in various counties.

Penn., Scranton—City Council passed ordinance to curb and pave Wyoming Ave. with sheet asphalt and stone blocks. About $21,837. W. Schunk, City Engr.

Penn., York—(Official)—City receiving bids July 14 for paving portions of various streets. C. F. W. Wallow, City Engr. (See adv. June 9 issue.)

Md., Baltimore—(Official)—State Roads Commission, 601 Garrett Bldg, receiving bids July 18 for 8 sections State Highway and 1 bridge. E. H. Zouck, Chn. (See adv.)

Md., Baltimore—City will pave portion Calvert St. with asphalt. R. M. Cooksey, City Engr.

Md., Rising Sun—See item under "Water-Works."

Md., Rockville—Montgomery County receiving bids July 18 for portion State-Aid highway along Poolesville Rd. Address County Clerk, Rockville. Noted June 15.

Md., Rockville—Montgomery County receiving bids July 11 for 5 mi. Muncasters Mill Rd. J. R. Lewis, Rockville, Pres.

Va., Bedford—Bedford County voted $75,000 bonds for roads in Forest District. Address County Clerk, Bedford.

Va., Cedar Bluff—Town will improve Main St. About $6,000.

Va., Lexington—Rockbridge County, Lexington Magisterial District, voted $10,000 bonds for roads. Address County Clerk, Lexington. Noted June 1.

W. Va., Clarksburg—County voted $100,000 bonds for roads in Lubeck District. Address County Clerk, Clargsburg.

W. Va., Keyser—Mineral County voted $200,000 bonds roads in New Creek District. Address County Clerk, Keyser. Noted June 1.

W. Va., Lewisburg—Greenbrier County, Blue Sulphur District, votes Aug. 5 on $75,000 bonds for roads. Address County Clerk, Lewisburg.

W. Va., Parkersburg—Wood County voted $100,000 bonds roads in Lubeck District. Address County Clerk, Parkersburg. Noted Apr. 27 and June 15.

N. C., Morganton—Burke County votes Aug. 17 on $50,000 bonds for roads. J. B. Holloway, Chn. Comrs.

Ga., Atlanta—Fulton County receiving bids July 15 for Paces Ferry Rd., 35,000 sq.yd.; East Paces Ferry Rd., 6,000 sq.yd.; Lakewood Ave., 13,000 sq.yd.; Mayson & Turner Rd., 25,000 sq.yd.; Hightower Rd., 19,000 sq.yd.; Zoo Dr. in Grant Park, 6,000 sq.yd. Address County Clerk, Atlanta.

Ga., Atlanta—County plans paving East Hunter St. Address County Clerk, Atlanta.

Fla., Miami—City rejected bids 54,000 sq.yd. asphalt pavement. New bids July 10. W. B. Moore, City Clk.

Fla., Monticello—Jefferson County voted $50,000 bonds for road work. Address County Commissioners, Monticello. Noted May 18.

Fla., New Smyrna—County sold $250,000 bonds for road work. Address County Clerk, De Land.

Fla., Perry—Taylor County votes July 25 on $600,000 bonds for roads. Address County Clerk, Perry.

Fla., West Palm Beach—Palm Beach County voted $55,000 bonds for roads. Address County Clerk, West Palm Beach.

Ala., Guntersville—Marshall County receiving bids Aug. 1 for improving 4 mi. Guntersville and Huntsville Rd. W. S. Keller, Montgomery, State Highway Engr.

Ala., Hamilton—Marion County receiving bids July 15 for 6½ mi. gravel road. M. Pearce, Hamilton, Judge of Probate.

Ala., Wetumpka—Elmore County receiving bids July 24 for roads. About $17,000. Address County Clerk, Wetumpka.

Miss., Houston—Chickasaw County votes $7,000 bonds roads in Fourth District.

Miss., Houston—Chickasaw County voted $33,000 bonds roads in First District.

Miss., Oxford—Lafayette County plans $50,000 bond issue for roads in District 4.

Miss., Port Gibson — City plans $7,200 bond issue for paving.

La., Amite — Tangipahoa Parish, Rd. District No. 3, receiving bids July 25 for 29 mi. roads. C. Buck, Independence, Chn.

La., Baton Rouge—State Legislature plans election for $15,000,000 bonds for highways. J. W. Alexander, Alexander, Interested.

La., Kenner—City receives bids for paving sidewalks.

La., Natchitoches—Natchitoches County votes July 27 on $250,000 bonds for portion Jefferson Highway. Address County Clerk, Natchitoches.

La., New Orleans—State Highway Commission receiving bids July 10 for Section "H" of Hammond-Amite Highway and section Amite-Covington Highway. W. E. Atkinson, State Highway Engr.

Tenn., Benton—Polk County voted $95,000 bonds for road work. W. A. Park and C. P. Williams, Knoxville, Engr. Noted Apr. 13 and June 8.

Tenn., Brownsville—City votes $25,000 bonds for street work. N. B. Keathley, Mayor.

Tenn., Dyersburg—City receiving bids July 12 for paving and storm sewers. L. E. Carne, Mayor. Noted May 25.

Tenn., Erwin—City receiving bids July 12 for curbing, guttering and paving streets. About $23,000. C. P. Toncray, Elizabethton, Engr. Noted May 25.

Tenn., Morristown—City plans paving portion 2nd, South 2nd and Cumberland St.

Tenn., Nashville—State Highway Department plans election in August for $1,000,000 bonds for roads in various counties. A. M. Nelson, Engr.

Ky., Albany—County soon lets contracts for turnpikes. J. G. Slocum, Albany, County Clk.

Ky., Bowling Green—County receives bids for road work. M. H. Crump, County Rd. Engr.

Ky., Versailles—(Official)—City Council receiving bids July 12 for 4,000 sq.yd brick paving and 1,400 ft concrete curb. C. E. Collins, Drexel Bldg., Philadelphia, Penn., Engr.

Ohio, Alger—(Official)—Village receiving bids July 12 for paving 11,000 sq.yd. Main and Shadley St. Bonds will be sold same day. W. E. Myers, Kenton, Consult. Engr.

Ohio, Cincinnati—City plans improving portion Front St. Frank S. Krug, City Engr.

Ohio, Cincinnati—City receives bids for improving portion May St. Frank S. Krug, City Engr.

Ohio, Cincinnati—City plans paving Dumholter Alley with brick. Frank S. Krug, City Engr.

Ohio, Cincinnati—City Council plans $200,000 bond issue for improving Eastern Ave. F. Krug, City Engr.

Ohio, Cincinnati—City will ask $175,000 bond issue for street repairs. F. Krug, City Engr.

Ohio, Cleveland—City plans paving portion East 90th, East 126th and McBride St. Robert Hoffman, City Engr.

Ohio, Cleveland Heights—(Warrensville post office)—Village receiving bids Aug. 7 for paving, curbing and sidewalks on St. James, Demington and Roxboro St. H. H. Canfield, Clk. F. A. Pease Engineering Co., 802 Marshall Bldg., Cleveland, Engr.

Ohio, Columbus—State Highway Department receiving bids about July 15 for roads in various counties. Clinton Cowen, Columbus, Comr.

Ohio, Dayton—City making plans for paving portion Bacon St. with brick. About $8,943. Fred Eichelberger, City Engr.

Ohio, Dunkirk — (Official) — Village receiving bids July 10 for improving portion Main St. R. R. McElroy, Clk. W. E. Myers, Kenton, Engr.

Ohio, Dunkirk — (Official) — Village receiving bids July 24 for bonds for paving Main St. R. R. McElroy, Clk.

Ohio, East Liverpool—City Council passed resolution to improve East 6th St. J. C. Kelly, City Engr.

Ohio, Findlay—City estimates cost paving Frazier St., brick, $6,180, wood block, $7,384, concrete, $5,330. U. K. Stringfellow, City Engr.

Ohio, Greenfield—City lets contract brick and macadam paving about July 15. E. M. Conner, Village Clk.

Ohio, Hamilton—City receives bids about July 15 paving portion Progress Ave. About $5,500. Frank E. Weaver, City Engr. Noted June 8.

Ohio, Hamilton—City plans paving Main St. with wood block. About $44,000. Frank E. Weaver, City Engr.

Ohio, Lima—City Council passed resolution for improving portion Holmes Ave. J. I. Heffner, City Clk.

Ohio, Middletown—City receiving bids July 11 for grading portion Calumet Ave. John Kunz, Clk., City Comn.

Ohio, Mt. Vernon—(Official)—City receiving bids July 12 for improving portions East and West Burgess, Division, McKenzie, Park, Ridgely, Sugar, Lamartine and Elliott St., also Chestnut St. by sewering. G. C. Snow, Masonic Bldg., Dir. Pub. Ser. W. C. Anderson, City Engr. Noted June 1.

Ohio, New Lexington—(Official)—Village receiving bids July 24 for improving portion Madison St. F. W. Chappelear, Clk.

Ohio, Norwood—City receiving bids July 10 for paving with bitulithic wood block or brick Maple Ave. R. D. Armstrong, Dir. Pub. Ser.

Ohio, Norwood—City receiving bids July 15 for paving Ridgway Ave. brick or macadam. J. D. Schmidt, City Engr. Noted June 1.

Ohio, Painesville—City Council passed resolution to pave portion North St. Clair St. J. Crabbs, City Engr.

Ohio, Sylvania—Village receiving bids July 12 for 5,600 sq.yd. concrete pavement Blank and Indiana St. About $8,087. P. Wagonlander, Clk. Noted June 15.

Ohio, Wapakoneta — City plans paving and sewers in Middle Johnson and Water St. About $26,000. J. H. Meyer, Auglaize St., Engr.

Ohio, Warren—City plans paving North Park Ave. with brick. H. S. McKibben, City Engr.

Ohio, Warren—City Council passed resolution to improve portion East South St. H. S. McKibben, City Engr.

Ohio, West Park—(Official)—City sold $34,688 bonds for improving West Park Blvd. Fred Feuchter, Clk. Noted June 1.

Ohio, West Salem—(Official)—Village receiving bids July 15 for improving Main St. G. F. Read, Clk. Council. R. T. Scantleburry, Ashland, Engr.-in-Charge.

Ohio, Woodville—(Official)—Village receiving bids July 17 for improving portion 1st St. O. Bittinger, Clk.

Ohio, Xenia—City Council passed resolutions to curb and pave East Main, Monroe and Collier St. with brick or asphalt. Estimated cost, $70,000. J. P. Shumaker, City Engr.

Ind., Bloomington—Monroe County receiving bids July 20 for gravel roads in Bloomington, Indian Creek, Washington and Chester Townships. W. F. Kinser, Bloomington, Audr.

Ind., Evansville—Vanderburgh County receiving bids July 17 for rock road in Scott Township. C. P. Beard, Evansville, Audr.

Ind., Evansville—Vanderburgh and Warwick Counties receiving bids July 27 for county line road. C. P. Beard, Evansville, Audr. Vanderburgh County.

Ind., Ft. Wayne—Board of Public Works receiving bids July 13 for paving various streets. H. W. Becker, Clk. of Bd.

Ind., Indianapolis—Marion County receiving bids July 17 for gravel road in Center Township. L. K. Fesler, Indianapolis, Audr.

Ind., Jeffersonville—Clark County receiving bids July 17 for road in Charlestown Township. G. W. Stoner, Jeffersonville, Audr.

Mich., Grand Rapids—Kent County receiving bids July 10 for Road No. 169. Address County Clerk, Grand Rapids.

Mich., Howell—(Official)—City receiving bids July 11 for paving portion Division and Walnut St. George Champe, Toledo, Ohio, Engr. Noted May 11.

Mich., Pontiac—City receives bids about Aug. 7 for paving Wesson and Branch St. William J. Fisher, Engr.

Mich., Royal Oak—City will pave portions Washington Ave. and 4th and Main St.

Ill., Berwyn—Board of Local Improvements receiving bids July 11 for curbing, guttering and paving portion Wesley Ave.

Ill., Blue Island—City making plans for paving various streets with asphalt macadam. About $142,000. V. B. Roberts, City Engr.

Ill., Fairfield—(Official)—City receiving bids July 17 for paving in Central Paving District. John Sheehorn, Supt. St. (See adv.)

Ill., Pekin—(Official)—Bonds $1,000,000 for roads in Tazewell County proposed. J. G. Bailey, Delavan, Pres. County Good Roads Assoc.

Ill., Peru—City plans paving 9th St. with brick. S. T. Porter, La Salle, Engr.

Ill., Springfield—City will pave Capitol Ave. with creosoted blocks and widen same between 4th and 10th St. W. D. Seeley, City Engr.

Ill., Streator—City making plans for paving various streets with brick. F. Rentz, City Engr.

Ill., Wilmington—City plans sidewalks on various streets.

Ill., Winnetka—City making plans for paving 2 mi. Sheridan Rd. About $80,000. Windes & Marsh, 698 Birch St., Engr.

Wis., Hurley—County Highway Commission receives bids for grading 2 highways, about 2¾ mi., and 4 roads, 23,480 ft. Address County Clerk, Hurley.

Wis., Kenosha—Street Assessment Committee receiving bids July 21 for paving portions Pomeroy and Wisconsin St. B. C. Brennan, City Engr. Noted May 25.

Wis., Sparta—City Council passed resolution to pave portion McLean Ave.

Wis., Superior—City will sell $450,000 bonds, part to be used for paving. E. B. Banks, City Engr.

Wis., West Allis—Board of Public Works receiving bils July 15 for paving portion 75th St., concrete. A. G. Orbert, City Engr.

Iowa, Bettendorf—City plans paving. A. M. Compton, 216 Whitaker Bldg., Davenport, Engr.

Iowa, Dennison—City plans paving Railroad Ave. and Locust St.

Iowa, Des Moines—City Council passed resolution to pave portion Pleasant Ave. with asphalt. Karl C. Kastberg, City Engr.

Iowa, Grinnell—City receives bids about July 15 for paving various streets. Iowa Engineering Co., Chase Bldg., Clinton, Engr.

Iowa, Muscatine—County receiving bids July 10 for surfacing with sand clay Sections "G" and "H" of Muscatine-Nichols Rd. F. P. G. Halbfass, Engr.

Minn., Elk River—Sherburne County receiving bids July 10 for State Rd. No. 3, Job 10. F. W. Nickerson, County Engr.

Minn., Pipestone—City receiving bids July 10 for 33 blocks concrete paving. L. P. Wolff, St. Paul, Minn., Consult. Engr. Noted June 29.

Minn., St. Paul—(Official)—City receiving bids July 10 for improving portion Goodrich Ave. Oscar Claussen, City Engr.

Minn., St. Paul—(Official)—City receiving bids July 10 for improving portion Sue St. Oscar Claussen, City Engr.

Kan., Holton—City Council passed resolution to pave, curb, gutter portion, New York Ave. James D. Fowler, City Engr.

Kan., Independence—City plans paving portion Oak St., concrete. E. E. Weaver, City Engr.

Kan., Kansas City—City plans paving 14th and 18th St. with concrete. W. M. Barclay, City Engr.

Kan., Pittsburgh—(Official)—City does not plan to improve portion Smelter Ave. as stated in issue of June 1.

Neb., Beatrice—City repaves portion Court St. with sheet asphalt. A. J. Pethound, City Engr.

Neb., Lincoln—County receiving bids July 21 for paving District No. 15 with brick or concrete. H. D. Wells, Lincoln, Clk.

Neb., Nebraska City—Citizens vote July 21 on $30,000 bonds for paving. C. A. Shannon, City Engr.

Neb., Omaha—City Council passed ordinance to improve portion 33rd St. John A. Bruce, City Engr.

Neb., Omaha—City Council passed ordinance to improve portion Myrtle Ave. John A. Bruce, City Engr.

N. D., Beach—Billings County receiving bids July 15 for grading roads. M. C. McCarthy, Medora, Audr.

Mont., Billings—City receives bids about Aug. 1 for paving 25,000 sq.yd. E. M. Sneckenberger, City Engr.

Mo., Forsyth—Taney County, Hollister-Ridgesdale District, votes on $12,000 bonds for 15-mi. road. Address County Clerk, Forsyth.

Mo., Fulton—City Council passed resolution to curb and pave Jefferson St. with macadam, Nichols St. brick and West 6th St. bituminous macadam. F. E. Baker, City Engr.

Mo., Greenfield—(Official)—Dade County defeated $25,000 bonds for road work. Noted June 1 and 22.

Mo., Joplin—City plans paving portion West 4th St., concrete. About $25,728. J. J. McAfee, City Engr.

Mo., Joplin—City plans paving portion Wall St. with rock asphalt. J. J. McAfee, City Engr.

Mo., Liberty—Clay County voted $1,250,000 bonds for roads. Address County Clerk, Liberty. Noted Apr. 13 and May 25.

Mo., St. Joseph—City Council passed ordinance to pave portion Patee St. with asphaltic concrete.

Mo., St. Joseph—Buchanan County plans paving 14 mi. Garretsburg Rd. R. D. Cargill, Engr.

Mo., St. Louis—Board of Public Service receiving bids July 14 for paving Duncan and Arlington Ave. with brick. E. R. Kinsey, Pres.

Ark., Pine Bluff—City plans to pave West 15th and 16th Ave. F. R. Allen, City Engr.

Tex., Belton—Bell County votes July 19 on $6,000 bonds for roads in Dennis Mill District. Address County Clerk, Belton.

Tex., Hempstead—Wadler County, Rd. District No. 1, voted $25,000 bonds for road work. A. B. Hanney, Hempstead, County Judge. Noted June 8.

Tex., Longview—Gregg County votes July 27 on $200,000 bonds for road work. Address County Clerk, Longview.

Tex., Stephenville—City plans paving 2nd St., rock asphalt.

Tex., Sulphur Springs—Hopkins County receives bids for 40 mi. roads.

Tex., Waxahachie—Ellis County defeated $75,000 bonds for road work. Noted May 25.

Tex., West—Attorney General approved $10,000 bonds for street improvements.

Okla., Sayre—Beckham County votes July 12 on $10,000 bonds for road improvements in Merritt Township. Address County Clerk, Sayre.

Idaho, Sandpoint—City Council passed ordinance to improve Oak, Main, Church, 2nd and 3rd St. About $21,000.

Utah, Salt Lake City—(Official)—City receiving bids July 18 for paving portion 13th St. E. S. Q. Cannon, City Engr. Noted June 8.

Ariz., Phoenix—City receiving bids July 10 for 12,200 sq.yd. paving. J. B. Girard, City Engr.

Wash., Bellingham—Whatcom County soon awards contract for paving Marietta Rd. C. M. Adams, County Engr.

Wash., Concrete—City receiving bids July 11 for paving portions Mill, Division and Garden St. with concrete. G. L. Leonard, City Clk.

Ore., The Dalles—(Official)—Wasco County votes Nov. 7 on $260,000 bonds for Columbia River Highway and trunk line road from The Dalles to Jefferson County line. L. B. Fox, The Dalles, Clk. Noted June 8.

Calif., Amaheim—City receiving bids July 13 for about 372,219 sq.ft. asphalt pavement on Broadway. E. O. Stewart, City Clk.

Calif., Sacramento—Citizens plan election Aug. 26 to vote on $1,750,000 bonds for 124.7 mi. highways. F. C. Miller, City Engr.

Calif., Sunnyvale—City voted July 5 on $10,000 bonds for paving. F. P. McCray, Town Engr. Noted Apr. 20.

Calif., Tulare—City Council passed resolutions to pave portion East and West Kearn St.

Que., Quebec—City plans paving Aqueduct and Sauvageau Hills. About $5,300. W. D. Baillarge, Engr.

Que., St. Hyacinthe—City passed by-law for $25,000 for paving. H. Cadieux, Engr.

Que., Verdun—City plans to widen La Salle Ave. H. E. Tanner, City Engr.

Ont., Napanee—City voted by-law for $10,000 for paving with macadam. W. A. Grange, City Clk. Noted May 25.

Ont., Norwich—City plans 40,000 sq.ft. brick pavement. W. Fairley, Clk.

Ont., Portsmouth—City receives bids 1,000 ft. cement sidewalks. J. W. Henstridge, Clk.

Ont., Pembroke—City plans paving. Cost, $4,000. W. J. Moore, Engr.

Bids In and Contracts Awarded

N. H., Manchester—State Highway Commission received bids 2 mi. highway from R. H. Newell, Uxbridge, Mass., $20,227; Noyes & Campbell, Augusta, Maine, $21,460; Small & Ingalls, Bar Harbor, Maine, $19,908. Noted June 22.

Mass., Duxbury—State Highway Commission let contract section highway to ANTONIO CARCHIA, 16 Foster St., Boston. Noted June 8 and 22.

Mass., Hanover—State Highway Commission let contract 3 gravel roads to POWERS BROS., Brockton.

Mass., Holyoke—City let contract sidewalks on Beech St. to LYMAN & WINKLER. Noted June 8.

Mass., Marshfield—State Highway Commission let contract section highway to ANTONIO CARCHIA, 16 Foster St., Boston. Noted June 8 and 22.

Mass., Ceitutate—State Highway Commission let contract section highway to ANTONIO CARCHIA, 16 Foster St., Boston. Noted June 8 and 22.

Mass., Uxbridge—Town let contract South Main St. highway to H. C. NEWELL.

Conn., Hartford—City let contract paving portion Village and Forbes St. and Naubuc Ave. to L. SUZIO CONSTRUCTION CO., Meriden. Noted June 1.

Conn., New Britain—City let contract paving Elm St. to UNION PAVING CO., Schenectady, N. Y., $20,000.

N. Y., Albany—(Official)—State Highway Commission received lowest bids June 26 for improving and repairing highways in various counties from:

Repair Contract No. 974, Albany County, 1.06 mi. Sewage Disposal and Water Plant Co., Schenectady, $18,548; Heisler & Luke J. Devlin, Albany, $18,576; Martin Murray & Co., Troy, $21,121.

Repair Contract No. 980, Albany County, 3.91 mi. Greece Construction Co., Rochester, $18,978; John Doyle, Albany, $19,435; George H. McEvoy, Creek Locks, $20,163.

Repair Contracts No. 964, Cayuga County, 2.76 mki. W. F. Hill & Co., Fulton, $17,305; Flood & Van Wirt Co., Hudson Falls, $17,754; Richard Hopkins, Troy, $18,313.

Repair Contracts No. 982, Cayuga County, 3.29 mi. Flood & Van Wirt Co., Hudson Falls, $19,458.

Repair Contract No. 962, Cortland County, 7.11 mi. Charles E. Haney, Camillus, $29,241; McGreevey, McGuigan & Baum Construction Co., Elmira, $31,905; John R. Burchill, Syracuse, $32,764.

Repair Contract No. 963, Cortland County, 2.70 mi. Rowland E. Wright, Cortland, $12,672; McGreevey, McGuigan & Baum Construction Co., Elmira, $12,692; Charles E. Haney, Camillus, $13,071.

Repair Contract No. 984, Essex County, 10.93 mi. Kellogg Boynton, Keeseville, $3,587; Defiance Corporation, Ticonderoga, $3,883.

Repair Contract No. 970, Herkimer County, 9.91 mi. Phelan & Sullivan, Utica, $49,086; J. L. Richmond, Hinkley, $49,932; Spellman-Oliver Co., Chateaugay, $49,942.

Repair Contract No. 960, Livingston County, 0.57 mi. Schroder-Hicks Contracting Co., Rochester, $4,804; McCarthy & Wall, Mt. Morris, $4,992.

Repair Contract No. 978, Livingston County, 4.66 mi. H. A. Murphy, Albany, $10,099; P. F. Herlihy, Glenns Falls, $10,332; D. I. Snell Co., Canajoharie, $10,864.

Repair Contract No. 967, Niagara County, 3.19 mi. Charles E. Haney, Camillus, $16,159; Cold Spring Construction Co., Buffalo, $18,364; Greece Construction Co., Rochester, $18,927.

Repair Contract No. 975, Oneida County, 4.74 mi. Harry W. Roberts & Co., Utica, $35,966; Federal Asphalt Corporation, New York, $43,273; Charles O. McComb, Syracuse, $43,882.

Repair Contract No. 968, Onondaga County, 0.88 mi. Dana W. Robbins, Inc., New York, $8,350.

Repair Contract 965, Onondaga County, 3.70 mi. John R. Burchill, Syracuse, $16,753; Dale Engineering Co., Utica, $17,821; Lane Construction Corporation, Meriden, Conn., $17,981.

Repair Contract 966, Onondaga County, 3.30 mi. Charles E. Haney, Camillus, $13,102; John R. Burchill, Syracuse, $14,763; Guy B. Dickison, Syracuse, $15,186.

Repair Contract No. 961, Onondaga County, 6.24 mi. John R. Burchill, Syracuse, $9,308; Dana W. Robbins, Inc., New York, $9,445; J. H. Weidman, Syracuse, $9,805.

Repair Contract No. 979, Onondaga County, 0.60 mi. Mondo Construction Co. Inc., Syracuse, $15,952; Guy B. Dickison, Syracuse, $15,959.

Repair Contract No. 976, Onondaga County, 4.84 mi. Harry W. Roberts & Co., Utica, $38,267; Lane Construction Corporation, Meriden, Conn., $42,028; William P. McDonald Construction Co., Mt. Vernon, $45,064.

Repair Contract No. 870, Rensselaer County, 4.34 mi. John B. Dower, Ballston Spa., $33,665; C. S. Mathusa, Albany, $34,825; Thomas H. Karr, Troy, $40,285.

Repair Contract No. 981, Rensselaer County, 3.11 mi. Gifford Construction Co., Jamaica, $12,-

845; **Flood & Van Wirt Co.**, Hudson Falls, $13,-355; **Thomas H. Karr**, Troy, $14,724.

Repair Contracts, No. 977, Sullivan County, 2.65 mi. **Jackson Bros.**, Cuddebackville, $14,963; George H. McEvoy, Creek Locks, $15,967; Nathan E. Young, Cuddebackville, $16,593.

Repair Contract No. 971, Westchester County, 15.13 mi. **H. A. Murphy**, Albany, $23,429; Richard Hapkins, Troy, $23,647.

Proposals were received by the State Highway Commission at its office, No. 55 Lancaster St., Albany, N. Y., on Monday, the 26th day of June, 1916, for the improvement of public highways by State Aid.

Road No. 1,302 **Morris-Oneonta**: Otsego County, 12.66 mi. **Frank D. Van Horn**, New York, $116,-754; J. L. Richmond, Hinkley, $147,300; Fulton Engineering Co. Inc., Albany, $143,952.

Road No. 976 Java Village: Wales, 3.52 mi. Bison City Engineering and Contracting Co., Buffalo, $30,347; F. J. Mumm Contracting Co. Inc., Buffalo, $36,078. Noted June 15.

N. Y., Dunkirk—City let contract for improving Doughty St. to J. P. MORRISEY, 30 North 4th St.

N. Y., Malone—(Official)—Village let contract improving Main St. to A. J. McCONVILLE, Ogdensburg, $27,860. Noted June 8 and 22.

N. Y., New York—(Borough of Queens)—(Official)—Borough let contract improving portion Lefferts Ave. to CLEVELAND-TRINIDAD ASPHALT CO., Flushing Ave., Brooklyn, $21,499. Noted June 15.

N. Y., New York—(Borough of Queens)—(Official)—Borough let contract improving portion Columbia Ave. to UVALDE ASPHALT PAVING CO., Manhattan, $4,971. Noted June 15.

N. Y., New York—(Borough of Queens)—(Official)—Borough let contracts paving: CLEVELAND-TRINIDAD ASPHALT CO., Flushing Ave., Brooklyn, 6th Ave., $32,629, 2nd St., $30,235, 19th St., $35,095; BOROUGH ASPHALT CO., Jerome Ave., $37,462; E. W. FITZPATRICK, 128-3-d Ave., Astoria, Ditmars Ave., $10,885, 47th St., $8,084. Noted June 15 and 29.

N. Y., New York—(Borough of Richmond)—(Official)—Lowest bid for repaving with concrete portion Bush Ave. was Uvalde Asphalt Paving Co., at $5,360. Noted June 22.

N. Y., Rockville Center—(Official)—Village let contract concrete roads to ROSENTHAL ENGINEERING AND CONTRACTING CO., INC., 165 Hooper St., New York, (Borough of Brooklyn), $1.44 sq.yd. Noted June 8.

N. Y., Rome—City let contract paving various streets to WARREN BROS. CO., Boston, Mass. $60,909. Noted June 29.

N. Y., Troy—City let contract improving various streets to MARTIN MURRAY & CO., 2254 14th St., $19,242. Noted June 22.

N. Y., Troy—Board of Contract and Supply receiving bids paving portion Stow Ave. from John W. Davitt, $29,510, (a) granite and concrete, $26,290, (b) brick and concrete; Rassam Paving Co., (a) $30,150, (b) $26,755. Noted June 22.

N. J., Jersey City—(Official)—City received bids for paving portion Rose Ave.; H. Littler and R. Sangiovanni, $6,849. Noted May 11 and 25.

N. J., Newark—City let contract paving to GLENFIELD CONSTRUCTION CO., Halstead St., $17,570, Beaumont Pl., $8,079; MAHER & NICHOLS, Cliff St., $12,975; STANDARD BITULITHIC CO., Dayton St., $13,362.

N. J., New Brunswick—Middlesex County let contracts improving Cranbury Turnpike to MANWARING & CUMMINS, Philadelphia, Section 1, $127,000, Section 2, $99,000. Noted Mar. 2.

N. J., Peapack—Borough let contract paving Holland Ave. to W. R. MOORE, Far Hills, $4,-256.

N. J., Pennsgrove—City let contract paving Broad and Maple St. to JOSEPH F. BURKE CO., Plainfield, $36,018.

N. J., Trenton—City let contract paving Clinton, Chestnut and East Hanover Ave. to NEWTON PAVING CO., Broad St.; West State St., A. DeLUCIA, 55 Butler St.

Penn., Avalon—City let contract curbing and paving portions Groveton, Elizabeth and Oakwood Ave. to DALLAS & NARDULLI, 608 Larimer Ave., Pittsburgh. Noted Mar. 2 and 30.

Penn., Cresson—City let contract paving portion Keystone, Ashcroft and Powell Ave. and 2nd and 3rd St. to GREGORY PAVING CO., Lewistown, $45,000. Noted June 1.

Penn., Edgeworth—Borough let contract paving and curbing Meadow Lane to McPHERSON BROS., 421 Chestnut St.

Penn., Harrisburg—(Official)—State Highway Department let contract Section 5, State Highway Route 131, Chester County, to NEFF, HORN & CO., Slatington, $59,973. Noted June 8.

Penn., Homestead—Borough let contract paving and curbing McClure Ave. to F. DONATELLO, 121 Shetland St., Pittsburgh.

Penn., Lewisburg—City let contract 7,500 sq.yd. paving Market St. to W. H. LYONS, Sunbury, $2.12 sq.yd. Noted May 25.

Penn., New Brighton—County let contract improving road between New Brighton and McKinley Run to J. G. McGUIRE, New Brighton, $28,-744.

Penn., Pittsburgh—City let contract paving and curbing portion Liberty Ave. to THOMAS CRONIN, 17th and Muriel St.

Penn., Scranton—City received low bid paving and curbing Gibson St. from Matt Stipp, about $8,500.

Penn., Sunbruy—City let contract paving Reagan St. to HENRY LYONS.

Penn., Wilkes-Barre—County let contract paving highway from Hillside to Huntsville to J. J. BOYLE, Wilkes-Barre, $54,378. Noted May 25.

Va., Richmond—City let contract sidewalks and turnpike to J. J. CURLEY, $7,125.

Va., Staunton—City let contract paving portion North Central Ave. to WILLIAM LARNER & CO., Staunton, $12,260.

W. Va., Charleston—(Official)—City let contract paving Piedmont and Crescent Rd., Ash St. and Indiana Ave. to CENTRAL ENGINEERING CO., Charleston. Contract includes sewers. About $40,000. Noted May 11 and June 8.

W. Va., Lumberport—City let contract paving to CONCRETE STEEL BRIDGE CO., Clarksburg. About $20,000. Noted Apr. 27 and May 4.

N. C., Concord—City let contract cement sidewalks to HUDSON PAVING CO.

Ala., Grove Hill—(Official)—Clarke County let contract portion proposed Jackson Highway to CENTRAL ALABAMA CONSTRUCTION CO., Thomasville, $37,640. Noted Nov. 15 and June 8.

Miss., Canton—City let contract paving to S. A. GANO, Jackson, and MURRILL CONSTRUCTION CO., Vicksburg. About $40,000. Noted June 8 and 15.

Miss., Flira—City let contract for sidewalks to J. M. EVANS & CO., Jackson. Noted June 22.

Miss., Pontotoc—Pontotoc County let contract highway to E. L. HUSTON, Pontotoc. About $28,000.

La., New Orleans—State Highway Department received lowest bid for 12 mi. earth road in Grant Parish from Smith Bros., Coushatta, $12,-875. Noted May 25.

Tenn., Center—City let contract paving to J. S. MOORE & SONS. About $15,000.

Tenn., Jackson—City let contract paving Royal, Highland and Main St. to POUNCEY PAVING AND CONSTRUCTION CO., 1622 York Ave., Memphis, Tenn., $2.05 per sq.yd. Noted May 11 and June 8.

Ky., Flemingsburg—Fleming County let contract road improvements to PHELPS-POST-GUYN CO., Lexington. About, $10,000. Noted Mar. 2 and May 18.

Ky., Georgetown—Scott County let contracts roads to PHELPS-POST-GUYN CO., Lexington, GORMLEY BROS., Versailles, M. CHANDLER & SONS, Versailles, C. N. WOOD, Georgetown and LANCASTER & CYLE, Stamping Ground Pike. Noted Apr. 13 and June 15.

Ky., Lexington—Fayette County let contract paving to CAREY-REED CO., Lexington, $80,000. Noted Apr. 6 and 27.

Ohio, Alliance—City let contract paving and curbing Arch Ave. and alley north of Main St. to F. A. DOWNS CONSTRUCTION CO. Noted May 11 and 25.

Ohio, Alliance—City let contract paving and curbing Avalon Ave. to J. D. PAXSON, Salem. Noted May 11 and 25.

Ohio, Cedarville—(Official)—City let contract paving Main St. to ILIFF BROS., London, $8,-496. Noted May 25 and June 29.

Ohio, Cincinnati—Hamilton County received bid for repairing Harrison Pike from William F. Flynn, Cincinnati, $4,038.

Ohio, Cincinnati—Hamilton County let contract improving Pippin and Benning Rd. to O. E. ROBINSON, 4649 Hamilton Ave., $16,400.

Ohio, Coshocton—City let contract improving streets to JOHN HALL, R. COCHRAN and HENDERSON BROS.

Ohio, Cuyahoga Falls—(Official)—City let contract paving and sewer in Northampton Ave. to WINDSOR BROS. CONSTRUCTION CO., Akron $38,200; Broad St. paving, S. W. PARSHALL & SON, Akron, $50,500. Noted May 18 and June 8.

Ohio, Dayton—City let contracts paving to DAVID BEARD, Salem Ave., $14,834; J. KERNAN & CO., Livingston Ave. and Bickham St., $5,058. Noted May 4.

Ohio, Dayton—Montgomery County let contract paving Section L, Indianapolis Rd., to D. A. ONSKT, $18,848.

Ohio, Elmore—City let contract improving Lytle and Augusta St. to A. WITTE, Elmore, $10,000. Noted June 8.

Ohio, Galion—City let contract paving Gill and Erie St. to F. GANDERT & SON, Mansfield. Noted Mar. 30 and June 15.

Ohio, Iima—City let contracts paving Ewing Ave. to JAMESON & BLOSSER, $15,482; Holly St., RICHARD STONE, $9,514. Noted Apr. 27 and June 8.

Ohio, Lisbon—(Official)—Columbiana County let contracts road improvements to RHINEHART BROS., East Liverpool, Calcutta-Fredericktown Rd., $18,304; M. P. CONNELLY & SON, Youngstown, Salem-Winona Rd., $22,161; McLANE & HEFBURN, Lisbon, Rogers-East Fairfield Rd., $5,389. Noted June 15.

Ohio, Lisbon—(Official)—Columbiana County let contracts road work to J. D. PAXSON, Salem, Salem-Canfield Rd., $22,166; JONES CONSTRUCTION CO., Mt. Vernon, Damascus Valley Rd., $33,314, Lisbon-Salem Rd., $96,543; RHINEHART BROS., East Liverpool, Park Blvd., $14,522; G. B. PATTERSON, Wellsville, Wellsville-Oak Grove-Calcutta Rd., $11,450; J. C. DEVINE, Alliance, Salem-Goshen Rd., $13,449; CAMPBELL BROS., Youngstown, Wellsville-Lisbon Rd., $76,-664; HEFBURN & McLANE, Lisbon-Bayard-Canton Rd., $28,767; F. L. COX, Kensington, Kensington-Carrollton Rd., $4,718; M. P. CONNELLY & SON, Youngstown, Thomas Rd., $37,560, East Liverpool-Cannon Mill Rd., $38,135; HINTON & CUNNINGHAM, East Liverpool, East Liverpool-Cannon Mill Rd., $24,170, Park Way-Lisbon, Smiths Ferry Rd., $11,536. Noted June 15.

Ohio, Lisbon—City let contract paving portion North Market St. to MODERN CONSTRUCTION CO., Fremont, $21,950.

Ohio, Marysville—City let contract paving portion Wall Alley, Cottage and Ash St. to WELCH & JONES, Maple St, $4,866. Noted June 1 and 8.

Ohio, Middletown—City let contract grading Cooch St. to BIGLER BROS.

Ohio, Niles—City let contract sidewalks Fenton St. to NILES CONCRETE CO. Noted Apr. 6.

Ohio, Port Clinton—Ottawa County let contract 9¼ mi. road to WEIS BROS. & BURMAN, Elmore, $43,573.

Ohio, Toledo—Lucas County let contract Helfrich and Brand Rd. to DOAN & LANGENDERFER, $24,897.

Ohio, Van Wert—City let contract improving West Main St. to FEDERAL ASPHALT CO. $40,-000. Noted Feb. 3 and June 8.

Ohio, Warren—City let contract paving Lowell and Lawrence Ave. to SMITH ENGINEERING AND CONSTRUCTION CO.

Ohio, Youngstown—(Official)—City let contract improving Parnell St. to W. T. ROBINSON, $4,-908. Noted Mar. 30.

Ohio, Zanesville—City received lowest bid paving portion Market St. from Adams Bros. Noted June 8 and 15.

Ind., Crawfordsville—City let contract paving West Main St. to CLEMENTS & CLEMENTS, $4,847.

Ind., Evansville—(Official)—Vanderburgh County let contract King Rd. to C. P. WHITE, Evansville, $11,200; Bayou Seminary Rd., S. R. ADAMS & CO., Princeton, $16,251. Noted June 15.

Ind., Indianapolis—Marion County let contract road in Franklin Township to R. E. M. CONSTRUCTION CO., Evansville, $28,998. Noted May 25.

Ind., Laporte—City let contract improving alleys to W. M. JACKSON.

Ind., Madison—City let contract paving portion Main and Walnut St. to EWING SHIELDS, Greencastle, $1.95 sq.yd. Noted Mar. 23.

Mich., Albion—County let contract roads to H. E. BROWN, Union City, $9,420.

Mich., Eaton Rapids—City let contract 2 mi. paving to A. H. PRANCE, Grand Rapids.

Mich., Fremont—City let contract paving Division and Merchant Ave. to MARSMAN & GREEN, 619 Ashton Bldg., Grand Rapids, $13,800.

Mich., Hastings—City will pave Michigan Ave. by day labor.

Mich., Monroe—Monroe County let contracts roads to HARRY VANDERVEEN, Grand Rapids, Dundee-West Rd., $82,000, Milan-Dundee Rd., $116,800; EDGINGTON & ROUTHSON, Milan, Stecker Rd., $8,144, Carleton-Scofield Rd., $61,-789; PHILGARRIGAN & SON, Toledo, Ohio, Lasalle Rd., $4,929.

Ill., Chicago Heights—City let contract paving Wentworth Ave., $25,000, and Arnold St. $50,000, to CHICAGO HEIGHTS COAL CO.

Ill., Marion—Williamson County let contract road in Blairsville Township to DUNLAP-DIPPLOD CO., Edwardsville, $11,720.

Ill., Marion—Williamson County let contract for road work to D. E. NIPP, Marion, $9,961.

Ill., Maywood—City let contract widening and repaving portion Lake St. to MARQUETTE CONSTRUCTION CO., 133 West Washington St., Chicago, $10,000.

Ill., Pekin—Pekin County let contract 390,000 gal. road oil to INDIAN REFINING CO., 17 Battery Pl., New York, $4.05 per hundred gal.

Ill., Rockford—City let contract paving portion South 5th St. to GENERAL ENGINEERING AND CONSTRUCTION CO., $16,702.

Ill., Rock Island—Board of Local Improvements let contract improving portion South 5th St., GENERAL ENGINEERING AND CONSTRUCTION CO., $16,702; HART & PAGE, Chestnut and Waldo St., $11,709; Parmele St., $10,300; F. K. CARRICO, 12th Ave. and Parmele St., $10,-316.

Wis., Caledonia—County let contracts Sheridan Rd. to CHARLES NELSON, Racine, $15,008; Corliss Rd., JOHN R. GRIFFITH, Caledonia, $8,-288. Noted Feb. 17 and Mar 9.

Wis., Cuba City—City let contract 4 blocks concrete pavement on Main St. to R. L. CONLON, $1.55 sq yd.

Wis., De Pere—Low bids paving Michigan, Charles and 3rd St. from Winston Construction Co., Chicago, $1.41 sq.yd., asphaltic concrete; White Construction Co., Milwaukee, $1.45, reinforced concrete.

Wis., Janesville—(Official)—City let contract paving Oakland Ave. to BROWN & CONNORS, Janesville, $16,715. Noted May 25 and June 29.

Wis., Milwaukee—City let contract paving Layton Blvd., to BADGER CONSTRUCTION CO., $19,236; Kenwood Blvd., F. P. COUGHLIN, $21,388; Hayes Ave., WHITE CONSTRUCTION CO., $10,010; Howell Ave., P. C. KROECK, $4,449; 11th St., $6,207; Manitoba St., F. BANAZAK, $9,722.

Wis., Milwaukee—County Supervisors let contracts Villard Ave. and Burnham St., sheet asphalt, to WHITE CONSTRUCTION CO., $1.73 sq.yd.; Center Rd., concrete, GUMZ, GUTKNECHT & WUSSOW, $0.80 sq.yd. H. J. KUELLING, Comr. Noted May 18.

Wis., Stevens Point—City let contract improving streets to C. PETERSON CONSTRUCTION CO., Kenosha.

Wis., Superior—City received low bid paving portion North 21st St., T. G. Laughren, $4,261.

Wis., Washburn—City let contract paving Bayfield St. and 1st Ave. to THOMAS E. WOOLEY, La Crosse, $35,000. Noted Mar. 23.

Iowa, Britt—(Official)—City let contract 36,000 yd. paving with curbing and guttering to J. S. McLAUGHLIN & SONS, Red Oak, $1.69 per yd. Noted May 18 and June 1.

Iowa, Clinton—County let contract 2 mi. highway to GUND & GRAHAM.

Iowa, Council Bluffs—City let contract paving Georgia Ave. to E. A. WICKHAM & CO., $1.50 per yd.

Iowa, Council Bluffs—City let contract paving alley between Willow and 5th Ave. to E. A. WICKHAM.

Iowa, Des Moines—City let contract paving portion East, 1st, 6th and 9th St. and East Jefferson and Washington Ave. to DES MOINES ASPHALT PAVING CO., 11th and Vine St., $44,160. Noted Mar. 23 and May 4.

Iowa, Idagrove—City let contract paving to JOHNSON CONSTRUCTION CO., Chicago.

Iowa, Madrid—Mt. Hope Cemetery Association let contract cement sidewalks to A. SWANSON.

Minn., Albert Lea—Freeborn County let contract grading roads to HENRY ABBY.

Minn., Albert Lea—City let contract curbing and concrete walks to JENSEN CONSTRUCTION CO., Ft. Dodge.

Minn., Austin—Blue Earth County let contract 16,000 ft. curbing and guttering to LeCLAIRE & NELSON.

Minn., Duluth—City let contracts 12 mi. sidewalks to E. JOHNSON and E. SWANSON. About $30,000. Noted Mar. 9.

Minn., Virginia—(Official)—City let contract paving to LARSEN & McCANN CO., Eveleth, Minn.

Kan., Kansas City—(Official)—Wyandotte County let contract improving portion Steele Rd. and 21st St. to ENRIGHT CRUSHED ROCK CO., Kansas City, Kan. Noted June 8.

Kan., Kansas City—City let contract paving portion Paseo St. to E. J. WETHERSTROM, Kansas City, at about $9,000.

Kan., Mulberry—City let contract paving to A. JAICKS CO., Kansas City, Mo., $17,464.

Wyo., Sheridan—City rejected bids paving portion Main St. Noted June 8.

Mont., Great Falls—City let contract improving 1st Ave., N., to NILSON & SMITH, $6,903.

Mont., Helena—City let contract paving RODGERS & ALLEN, Butte, $7,350.

Mo., Booneville—City let contract curbing, guttering and paving to F. STRETZ & SONS, Booneville.

Mo., Independence—Jackson County let contract Hiler and Buckner Rd. to DAVIDSON CONSTRUCTION CO., Kansas City, $40,817.

Mo., Independence—County received low bid macadamizing Kentucky Ave. from C. Gldinsky, 3419 Kenwood Ave., $21,192. Noted May 18.

Mo., Moberly—City let contract paving portion Fisk Ave. to LYNCH-McDONALD CONSTRUCTION CO. Noted Apr. 13.

Mo., St. Joseph—Buchanan County let contract improving portion Amazonia Rd. to METROPOLITAN PAVING CO., Corby-Forsee Bldg.

Mo., St. Joseph—City let contract paving portion 10th St. to METROPOLITAN PAVING CO., Corby-Forsee Bldg., $5,515.

Ark., Jonesboro—City let contract paving to GUY W. COBB.

Tex., Bay City—Matagordo County let contract road work in Precinct No. 1 to W. D. HADEN, Galveston, $102,000. Noted Mar. 23 and June 15.

Tex., Ft. Worth—City let contract repaving Main St. to H. K. McCOLLUM CONSTRUCTION CO., Ft. Worth, $86,701. Noted Mar. 9.

Tex., Houston—City received low bids paving portion Montrose Blvd. from Talbot Co., Houston, concrete, $41,736, asphalt, $49,491; Eureka Paving Co., Houston, concrete, $41,581; Southern Paving Co., Houston, asphalt, $37,258, concrete, $36,418. Noted May 25.

Okla., Bartlesville—City let contract paving to J. W. MENEFEE, Sedalia, Mo., $1.19 per sq.yd. Noted Feb. 10 and Mar. 2.

Okla., Sand Springs—City let contract paving to BENNING ENGINEERING CO., Oklahoma. Noted June 15.

Ariz., Phoenix—City let contract paving portions North Central Ave. and West Roosevelt St. to CALIFORNIA-ARIZONA CONSTRUCTION CO., Los Angeles, $21,655. Noted Apr. 13.

Wash., Black Diamond—County let contract highway between Black Diamond and Maple Valley to HENRY BRICE, $56,143.

Wash., Chehalis—City let contract paving National Ave. to ALBERS BROS., Chehalis, $10,260. Noted Feb. 17 and Mar. 2.

Wash., Pullman—City let contracts paving South Grand St., $4,148, East Spring St., $5,895, to WASHINGTON PAVING CO., Seattle. Noted May 25.

Wash., Raymond—City let contract South Bend-Raymond Blvd. to T. H. COCHRAN & SONS, St. Johns, Ore., $20,900.

Wash., Seattle—City let contract sidewalks HELLENTHAL & CO., $9,589.

Wash., Seattle—King County let contract Kent-Des Moines Highway to CHARLES G. HUBER, Central Bldg., $29,465.

Ore., McMinnville—City let contract paving to MONTAGUE-O'REILLY CO., Portland, $28,207.

Ore., Portland—City let contract paving portion East Oak St. to MONTAGUE-O'REILLY CO., $15,902. Noted June 22.

Calif., Los Angeles—City received low bid for improving portion Road District No. 1 from Fred Hoffman, Long Beach, $20,500.

Calif., Sacramento—City let contract improving P and Q St. to McGILLIVRAY CONSTRUCTION CO.

Calif., Sacramento—City let contract improving Channing and Sylvan Way to CLARK & HENEREY CONSTRUCTION CO.

Calif., San Leandro—City let contract paving to D. U. TOFFELMEIER, First National Bank Bldg.

Calif., Vallejo—City received low bid paving Northwest Paving District from Worswick Construction Co. T. D. Kilkenney City Engr. Noted June 1 and 8.

N. B., Fairville—St. John County let contract about 20,000 ft. sidewalks to KANE & RING.

Ont., Lindsay—City let contract about 10,000 sq.yd. asphalt pavement on Kent and Glenley St., W., to STANDARD PAVING CO., Ottawa. Noted June 15.

INDUSTRIAL WORKS

Proposed Work

N. H., Salem—Massachusetts Northeastern Co., making plans for additions to car shops. Pollissior & Dibble, 317 Main St., Springfield, Arch.

Mass., Chelsea—Frost Hospital receiving bids July 10 for laundry and heating plant. Haven & Crosby, 40 Central St., Boston, Engr.

Mass., Danvers—City plans storehouse and service building. Kendall Taylor & Co., 93 Federal St., Boston, Arch.

Mass., Worcester—Packard Motor Car Co. making plans for garage, repair shops and sales room on Atchison St. About $60,000. O. C. S. Ziroli, 306 Main St., Arch. Noted Oct. 28.

Conn., East Canaan—Barnum-Richardson Co. plans factory.

N. Y., Amsterdam—Chalmers Knitting Co. making plans for 7-story factory on Bridge St. C. R. Makepeace, Providence, R. I., Arch. George C. Williams, Mgr.

N. Y., Bridgehampton—D. S. Downs making plans for garage and greenhouse. About $25,000. R. J. Sands, 7 East 42nd St., New York, Arch.

N. Y., Cobleskill—New York State School of Agriculture making plans for dairy and barn. About $12,000. Lewis F. Pilcher, Capital, Albany, Arch.

N. Y., Green Island—(Troy post office)—Poughkeepsie Concrete Stone Co. plans plant.

N. Y., New York—(Borough of Bronx)—William C. Bergen, 1952 Arthur Ave., made plans for 2-story, 88x152-ft. garage. About $25,000. Walter C. Martin, 1932 Arthur Ave., Arch.

N. Y., New York—(Borough of Bronx)—Charles W. Hoffman, 307 West 137th St., made plans for 5-story garage and storage building. About, 40,000. John H. Friend, 148 Alexander Ave., Arch.

N. Y., New York—(Borough of Brooklyn)—Waterbury Co., 32 Taffe Pl., making plans for 2-story, 50x150-ft. warehouse. About, $15,000. Warren & Clarke, 489 5th Ave., Arch.

N. Y., New York—(Borough of Manhattan)—United Engineering Societies receiving bids July 15 for 2-story, 88x115-ft. storage and office building. About $250,000. Henry G. Morse, 101 Park Ave., Arch.

N. Y., New York—(Borough of Queens)—M. Joseph Harrison, Arch., 63 Park Row, Manhattan, making plans for 2-story, 50x100-ft. factory in Long Island City. About $10,000.

N. Y., Niagara Falls—Niagara Alakali Co. plans 2-story addition at Buffalo Ave. and Union St. About $750,000. A. W. Weetherbee, Arch.

N. Y., Syracuse—H. H. Franklin Manufacturing Co., making plans for 3-story, 220x240-ft. addition plant on West Marcellus St. About $250,000. H. G. Franklin, 101 West Marcellus St., Pres. H. J. Reidpath & Sons, Builders' Exchange, Buffalo, Arch. Noted Nov. 4.

N. Y., Syracuse—Semet-Solvay Co., Milton Ave., plans factory.

N. J., Delawanna—Minwax Co., 18 East 41st St., New York, made plans for 1-story, 100x150-ft. factory. About $25,000.

N. J., Matawan—Wason Piano Co. plans to rebuild plant, about $50,000.

N. J., Paterson—Paterson Industrial Development Co. plans 4-story, 75x310-ft. factory on Gray St., about $205,000.

N. J., Pennsgrove—Salem & Pennsgrove Traction Co. plans shop. Stern & Silverman, Land Title Bldg., Philadelphia, Engr.

N. J., Red Bank—Red Bank Skirt Manufacturing Co. plans factory.

Penn., Bethlehem—Silvex Co. plans 1-story, 60x315-ft. factory. W. S. Barstow & Co., 50 Pine St., New York, Arch.

Penn., Mauch Chunk—Mauch Chunk Iron Works making plans for 2-story, 52x120-ft. plant. Noted Mar. 23.

Penn., New Castle—New Castle Paper Mill Co. plans improving plant on Neshanock Ave.

Penn., Philadelphia—Ferris Shoe Co. making plans for 5-story, 41x250-ft. addition to factory at Janney and Monmouth St. Charles E. Oelschlager, Arch. Noted June 22.

Penn., Philadelphia—Philadelphia & Reading Ry. plans 3-story reinforced-concrete warehouse in Port Richmondl Section. S. T. Wagner, Reading Terminal, Ch. Engr.

Penn., Philadelphia—Westinghouse Electric and Manufacturing Co., Pittsburgh, plans plant.

Penn., Pittsburgh—John G. Burns plans garage on Baum Triangle. About $100,000.

Penn., Washington—Hazel-Atlas Glass Co. plans plant.

Penn., York—Bell Motor Car Co. plans plant.

Md., Baltimore—Rosenbloom & Levy, 716 West German St., making plans for 5-story, 50x150-ft. warehouse at 12 North Paca St. Walter M. Gieske and F. Thomas, Gunther Bldg., Assoc. Arch.

Md., Baltimore—Baltimore Tube Co. plans addition to factory.

Md., Baltimore—Tropical Lumber and Pulp Co. plans factory.

Md., Hagerstown—David Harner, West Franklin St., plans 3-story, 43x120-ft. warehouse. About $15,000.

Md., River View—Pennsylvania R.R. plans grain elevator. About $750,000. A. C. Shand, Philadelphia, Ch. Engr.

Va., Glasgow—Glasgow Clay Products Co. plans plant. About $50,000.

Va., Richmond—A. Hoen Co. plans plant on South Randolph St.

W. Va., Lazearville—(Wellsburg post office)—Follansbee Bros. Co. plans tin plate plant. About $1,250,000.

W. Va., Ridgley—Western Maryland Ry. plans additions to car shops. About $150,000. N. R. Pratt, Baltimore, Md., Ch. Engr.

N. C., Reidsville—Reidsville Knitting Co. plans 44x105-ft. mill.

N. C., Winston-Salem—Cromer Bros. plans 2-story, 80x90-ft. warehouse.

S. C., Anderson—W. L. Brissey Lumber Co. plans warehouse. W. L. Brissey, Pres.

Ga., Augusta—Glover & McKenzie plans to enlarge plant.

Ga., Cochran—City voted $20,000 bonds for ice and cold-storage plant. J. C. Urquhart, Mayor.

Ga., Eatonton—J. O. Wall plans cotton warehouse.

Ga., Rome—Rome Oil and Fertilizer Co. plans seed house. About $10,000.

Ga., Statesboro—Bulloch Packing Co. plans packing plant.

Fla., Gainesville—Coöperative Ice Manufacturing Co. plans factory.

Fla., Miami—Homestead Mercantile Co. plans 2-story concrete warehouse.

Fla., Miami—W. D. Horne plans addition to packing plant.

Ala., McDowell—American Veneer Co., Cleveland, Ohio, plans factory at McDowell. About $10,000.

Ala., Montgomery—J. C. Turville & Sons, Martin, Tenn., plans factory at Montgomery. About $30,000.

Miss., Corinth—Nabors Cooperage Co. plans factory.

Tenn., Erwin—E. J. Owen, Sisterville, W. Va., plans pottery at Erwin, about $75,000.

Tenn., Knoxville—Superior Manufacturing Co., 740 Atlantic Ave., plans factory.

Tenn., Lebanon—Wilson County Planing Mill plans factory.

Ohio, Cleveland—General Cartage and Storage Co. plans warehouse. T. L. Johnson, 1111 Superior Ave., Secy.

Ohio, Cleveland—West Ninth Street Terminal Warehouse Co. plans warehouse 1220 West 9th St. About $2,000,000.

Ohio, Cleveland—Ohio Bronze Powder Co. made plans for 1-story factory on East 152nd St.

Ohio, Martins Ferry—James H. Beans plans addition to foundry. About $25,000.

Ohio, Springfield—Standard Oil Co. plans factory.

Ohio, Toledo—Joseph Grasser plans auto and service building at Madison and 16th St. About $100,000.

Ohio, Warren—Warren City Tank and Boiler Co. plans 1-story warehouse. A. R. Hughes, North Park Ave., Pres.

Ohio, Zoar—Zoar Fire Clay Co. plans addition to plant.

Ind., Evansville—Triangle Overall Co., 18 Vine St., plans factory, about $15,000.

Ind., Richmond—See item under "Railways."

Mich., Detroit—Ford Motor Co. plans plant. About $8,000,000.

Mich., Flint—Detroit Wire Spring Co., Detroit, plans factory at Flint. L. A. Young, Detroit, Pres.

Ill., Chicago—White Laundry Co. plans laundry. About $50,000. John White, interested.

Ill., Decatur—Staley Starch Manufacturing Co. soon lets contract for 7-story factory.

Ill., Jessie—(Sidell post office)—American Hominy Co. plans grain elevator. About $20,000.

Ill., Rock Island—Moline Plow Co. plans factory.

Wis., Milwaukee—Fisk Rubber Co. plans addition to plant.

Wis., Racine—Mueller-Kuehn Co., 1332 Liberty St., making plans for 3-story warehouse, about $50,000. Henry Mueller, 1332 Liberty St., Mgr.

Wis., Sheboygan—Wald Manufacturing Co soon receives bids for 1-story, 80x100-ft. machine shop. Juul & Sixta, Imig Bldg., Arch.

Wis., Waterloo—Interstate Malt Co. plans grain elevator. D. V. Hales, 33rd Ave. and Burnham St., Milwaukee, Mgr.

Iowa, Atlantic—Atlantic Tire and Rubber Co. plans factory. I. V. Maclean, Pres.

Iowa, Davenport—Martin, Woods Co., 115 Perry St., making plans for 5-story, 72x100-ft. warehouse. About $55,000. Temple & Burrows, 63 McManus Bldg., Arch.

Iowa, Sioux City—Terminal Elevator Co., Steuben and 1st St., plans elevator.

Minn., Minneapolis—Cootey Co. plans 6-story factory at 8th Ave. and 3rd St. About $100,000.

Minn., St. Paul—Industrial Division, Association of Commerce, plans incubator, about $500,000.

Minn., St. Paul—Maxwell Motor Co., Inc., plans warehouse assembling plant.

Wyo., Buffalo—(Official)—I. E. Randall, Sheridan, receiving bids July 10 for garage, about $25,000. C. A. Randall, Sheridan, Arch. Noted June 8.

Mont., Missoula—Great Western Sugar Co. plans factory.

Mo., St. Joseph—H. J. Heinz Co., Pittsburg, plans addition to plant on Highland Ave.

Mo., St. Louis—Kilpatrick & Sons Foundry plans addition to foundry.

Ark., Flippin—Marion Zinc Co., St. Louis, plans factory at Flippin.

Ark., Montrose—Archibald Wheel Co., Lawrence, Mass., plans plant at Montrose.

Ark., Nashville—Farmers Union Warehouse Co. plans 100x142-ft. warehouse.

Tex., Houston—Southern Drug Co. soon receives bids for reinforced-concrete building at Preston and Crawford St. About $50,000. Noted May 11.

Tex., Jacksboro—Jacksboro Mill and Elevator Co. plans factory.

Tex., Paris—City Steam Laundry prepraring plans for addition to laundry. Lang & Witchell & Curtis, Broad and Lightfoot St., Arch.

Tex., Texarkana—Gulf Cooperage Co. plans 100x200-ft. addition.

Okla., Henryette—Missouri, Oklahoma & Gulf Ry. plans shops. About $80,000. J. W. Dawson, Muskogee, Ch. Engr.

Colo., Trinidad—Isbell Bean Co., Detroit, plans bean elevator and cleaning plant at Trinidad.

Ore., Astoria—Astoria Machine Co. plans addition. About $25,000.

Calif., Claremont—College Heights Orange Growers Association making plans for packing plant. Paul F. Higgs, First National Bank Bldg., Pomona, Arch.

Calif., Corcoran—Norcross & Walsh plans rice mill in connection with warehouse.

Calif., Oakland—Pacific Tank and Pipe Co., San Francisco, plans factory at Oakland. About $500,000.

Ont., Brantford—Hampel Box Co. granted permit for factory on Bridge St. About $12,000.

Ont., Oshawa—McLaughlin Motor Car Co. and Chevrolet Motor Car Co plan enlarging plant.

Ont., Ottawa—Water Street Hospital making plans for laundry and dormitory. About $28,500. Charles Brodeur, 63 City Hall St., Hull, Que., Arch.

Ont., Toronto—City receiving bids July 17 for warehouse on Front St., W. About $500,000. R. C. Desrechers, Ottawa, Secy. Dept. Pub. Wks.

Ont., Toronto—Campbell Flour Mills Co., Ltd., made plans for reinforced-concrete warehouse about $20,000. J. H. Tromanhauser Co., Ltd., 604 Temple Bldg., Engr. Noted May 11.

Ont., Toronto—Harris Abattoir Co., Ltd., Union Stocks Yards, made plans for addition to plant. About $50,000. Noted June 22.

B. C., Vancouver—Alberta Pacific Grain Elevator Co. plans rebuilding elevator.

B. C., Vancouver—Wilson Bros. plans lumber mill. About $4,000,000.

Bids In and Contracts Awarded

Maine, Auburn—Cushman Hollis Co. let contract factory to JOHN A. GREENLOAF & SONS CO., Auburn. About $30,000.

Mass., Boston—Bankers Realty Investment Trust let contract factory to GEORGE A. FULLER CO., 131 State St., Boston. About $100,000.

Mass., Boston—(South Boston)—Boston Wharf Co., 259 Summer St., let contract 6-story, 50x100-ft. storage building to F. C. ALEXANDER, 745 Old Soo Bldg.

Mass., Haverhill—Massachusetts & Northeastern St. Railway Co. let contract car shops to E. A. PEABODY & SON, Lawrence.

Mass., New Bedford—Contract let to TURNER CONSTRUCTION CO., 11 Broadway, New York, 8-story, 100x500-ft. warehouse.

Mass., Springfield—Duckworth Chain and Manufacturing Co. let contract 1-story addition to ERNEST F. CARLSON CO., 310 Main St., Springfield.

Mass., Worcester—David Shapiro builds 1-story garage by day labor. About $30,000. Noted June 1.

Mass., Worcester—American Steel and Wire Co. let contract addition galvanizing factory to JAMES MILES & SON CO.

Conn., Bridgeport—American Graphophone Co. let contract addition to T. J. PARKER CONSTRUCTION CO., about $60,000.

Conn., Torrington—Standard Co. let contract addition factory to FRANK W. FULLER. About $60,000.

Conn., Waterbury—Metal Specialty Manufacturing Co let contract 1-story, 100x170-ft. factory to GEORGE S. CHATFIELD CO.

N. Y., New York (Borough of Bronx)—Metropolitan Roofing Metals Co. let contract 4-story reinforced-concrete auto-storage warehouse at 134th St. and 3rd. Ave., to GEORGE HOFFMAN, 1071 Washington Ave., about $60,000.

N. Y., New York—(Borough of Queens)—Mohegan Tube Co. let contract 1-story, 100x250-ft. factory on Davis St. to WILLIAM KENNEDY CONSTRUCTION CO., 215 Montague St., Brooklyn.

N. Y., Peekskill—Standard Oil Cloth Co., 320 Broadway, New York, let contract 1- and 3-story reinforced-concrete addition to PEEKSKILL CONSTRUCTION CO. About $50,000. Noted June 1.

N. Y., Utica—Utica Spinning Co. let contract addition to plant to KIMBERLEY CONSTRUCTION CO.

N. J., Jersey City—National Air Cell and Covering Co. let contract 4-story reinforced-concrete factory to JAMES MITCHELL, 76 Montgomery St. About $100,000. Noted May 18.

N. J., Perth Amboy—Potts & Kaufman let contract 2-story addition factory to D. I. MUDDELL, 120 Elm Ave., Rahway. About $17,000.

Penn., Erie—Erie & Western Transportation Co. let contract grain elevator to STEVENS ENGINEERING CO., Chicago, about $225,000.

Penn., Marcus Hook—Viscose Co. let contract plant to IRWIN & LEIGHTON, 126 North 12th St., Philadelphia. Noted June 8.

Penn., Philadelphia—Hulton Printing, Processing and Dyeing Co., Walnut St., let contract 4-story addition to plant to GEORGE H. THIRSK, Philadelphia. About $25,000.

Penn., Philadelphia—L. L. Brody, 113 Broad St., let contract 5-story addition to LOUIS COHN, Philadelphia, about $18,000. Noted Mar. 23.

Penn., Pittston—Alpine Knitting Mills let contract factory to ECKENRODE BROS., Wilkes-Barre. About $16,000.

Penn., Sunbury—Susquehanna Silk Mills let contract 5-story, 175x250-ft. addition to REIMARD BROS., Bloomsburg.

D. C., Washington—Contract let to BOYLE-ROBERTSON CONSTRUCTION CO., 1516 H St., N. W., for 5-story warehouse. About $24,000.

D. C., Washington—Old Dutch Market Co., Inc., 916 C St., let contract warehouse at 622 Pennsylvania Ave. to BOYLE-ROBERTSON CONSTRUCTION CO., Evans Bldg.

Va., Norfolk—Norfolk Warehouse Association let contract warehouse to R. R. RICHARDSON & CO., Norfolk, about $15,000.

Va., Roanoke—Viscose Co. let contract plant to IRWIN & LEIGHTON. Noted June 22.

Va., Suffolk—Planters Nut and Chocolate Co. let contract 5-story factory to A. STALLINGS & SON. About $20,000. Noted Feb. 10.

W. Va., Hinton—Chesapeake & Chesapeake Ry. let contract roundhouse to PETTIJOHN & CO., Lynchburg, Va.

N. C., Charlotte—Johnston Manufacturing Co. let contract factory to S. OATES. Noted June 8.

Ga., Augusta—Jacob Phinzy let contract warehouse to WILLIAM F. BOWE, Augusta. About $14,000.

Ga., Augusta—City let contract warehouse, garage, etc., to E. J. ERBELDING CO., Augusta. About $42,000.

Ga., Tifton—Central Grocery Co. let contract warehouse to V. C. PARKER & SON, Waycross, about $25,000. Noted Jan. 27.

Tenn., Memphis—Crescent Cotton Oil Co. let contract seed house to JOHN R. MILLER CO., Memphis, about $12,000.

Ohio, Cambridge—Standard Oil Co. let contract 1-story warehouse to E. ELFORD, 104 Commercial Bldg., Columbus. About $15,000.

Ohio Cincinnati—Ault & Wiborg Co. let contract warehouse to H. C. HAZEN CONSTRUCTION CO., 2070 Ready Rd. About $60,000. Noted May 18.

Ohio, Cincinnati—Ault & Wiborg Co let contract factory to FERRO CONCRETE CONSTRUCTION CO.

Ohio, Cincinnati—Boyle Engineering Co., East 7th St., let contract for 2-story factory on Gilbert Ave to M. MARCUS BUILDING CO., Cincinnati. About $28,000.

Ohio, Cleveland—Willard Storage Battery Co. let contract factory at 280 East 131st St. to GAYLORD W. FEAGA CO., Williamson Bldg., about $85,000. Noted May 11.

Ohio, Youngstown—American Sintering Co. let contract plant to STONE & WEBSTER ENGINEERING CO. About $100,000.

Ind., Anderson—Sefton Manufacturing Co. let contract addition to JUNGCLAUS CONSTRUCTION CO., Indianapolis, about $18,000. Noted June 29.

Mich., Detroit—Newcomb, Endicott Co., 190 Woodward Ave., let contract 4-story warehouse to H. A. JONES, 70 Washington Blvd.

Ill., Chicago—W. L. Eaton, 2342 South La Salle St., let contract 3-story warehouse to H. ELLENBERGER & CO., 122 South Michigan Ave. about $50,000.

Ill., Chicago—W. D. Kerfoot & Co., 58 West Washington St., let contract 2-story factory at 500 West Van Buren St. to YOUNGER & CO., Chicago. About $12,000.

Ill., Galesburg—Chicago, Burlington & Quincy R.R. let contract addition to roundhouse to A. V. DRINNIN. T. E. Calvert, Chicago, Ch. Engr.

Ill., Springfield—Cudahy Packing Co. let contract addition to CHARLES H. SEWARD, 554 West Canedy St. About $13,000. Noted June 1.

Wis., Depere—Northern Paper Mills Co. let contract 6 factory buildings to FABRY CONSTRUCTION CO.

Wis., Fond du Lac—Gurney Refrigerator Co. let contract addition to F. A. LITTLE CONSTRUCTION CO., about $20,000.

Wis., Iola—Iola Creamery Association let contract factory to J. A. HATCH. About $14,000. Noted June 8.

Wis., Rhinelander—Wisconsin Veneer Co. let contract 2-story addition plant to COLE CONSTRUCTION CO., Wausau.

Wis., Superior—Continental Motor Truck Co. let contract factory on Belknap St. to E. SEDLACHECK. Noted June 29.

Iowa, Columbus Junction—Sprague & Weber let contract grain elevator to NEWELL CONSTRUCTION CO., Cedar Rapids.

Iowa, Des Moines—Grocers Wholesale Co., 9th and Cherry St., let contract 4-story warehouse to CHARLES WEITZ SONS CO., $45,708. Noted Mar. 16.

Iowa, Des Moines—Successful Farming Publishing Co. let contract publishing house at 1714 Locust St. to J. C. MARDIS CO., about $60,000. Noted Feb. 3.

Iowa, Des Moines—(Official)—C. Erickson Advertising Specialty Co. let contract 3 factory buildings on 3rd St. near Grand Ave. to BENSON & MARXES, 515 West 3rd St., Des Moines, $17,300. Noted June 1.

Iowa, Sioux City—H. A. Wetmore, 515 6th St., let contract garage and salesroom at 613 Douglas Ave. to COOMER & SMITH, 312 United Bank Bldg., $29,690. Noted June 8.

Minn., Minneapolis—Maytag Manufacturing Co. let contract 4-story warehouse, 513 Washington Ave., to JAMES H. BROWN CO., 511 3rd St. Noted Mar. 2.

Neb., Lincoln—Carter Storage and Transfer Co., 301 North 8th St., let contract 2-story reinforced-concrete warehouse to OLSON CONSTRUCTION CO., Chapin Bldg., about $20,000. Noted Mar. 30.

Mont., Great Falls—Great Falls Creamery Co. let contract 3-story factory to VAN GORDER CONSTRUCTION CO., $50,000. Noted May 11.

Mo., St. Joseph—Grain Belt Mills Co. let contract 4-story reinforced-concrete alfalfa mill to LOUIS COX, St. Francis Hotel. About $60,000.

Mo., St. Louis—Mineral Refining and Chemical Co. let contract plant to FRUIN-COLNON CONTRACTING CO., St. Louis.

Mo., St. Louis—Overland Automobile Co. let contract plant to LEONARD CONSTRUCTION CO., 332 South Michigan Ave., Chicago. About $100,000. Noted Feb. 10.

Mo., St .Louis—Weisels-Gerhart Real Estate Co. let contract automobile service station to J. M. HIRSHSTEIN.

Tex., Paris—Paris Grocer Co. let contract addition warehouse to W. R. HATCHER CONSTRUCTION CO., Paris.

Wash., Seattle—Fishers Flour Mills Co. let 1st unit of plant to GRANT SMITH & CO., Henry Bldg., about $75,000. Noted June 15.

Ore., Portland—E. L. Glisan let contract 3-story garage at 20 North 11th St. to TRANCHELL & PARELIUS. About $25,000.

Calif., Vernon—(Watts post office)—California Food Products Co. let contract warehouse at 52nd and Central Ave. to LEONARDT & PECK, H W. Hellman Bldg., Los Angeles.

Que., Longueul—Armstrong-Whitworth, of Canada, Ltd., Montreal, let contract additions plant to JOHN QUINLAN CO., Montreal.

Que., Outremont—City let contract garage to WILFRID DUQUETTE. About $50,000.

Ont., Hamilton—Canadian Cartridge Co. let contract addition to factory in Sherman Ave., N., to GEORGE FRID CO., $20,000.

Ont., Orillia—George Forbes, Hespeler, let contract 80x148-ft. factory to E. WEBB & SON.

FEDERAL GOVERNMENT WORK

Proposed Work

Penn., Philadelphia—Dredging—U. S. Engineer Office, Philadelphia, receiving bids July 14, for dredging Delaware River on Mifflin and connecting ranges.

D. C., Washington—Locomotives — Maj. F. I. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., receiving bids Aug. 23 for locomotives offered for sale by Panama Canal. (See adv. June 29 issue).

Ga., Macon—Post Office—U. S. Government appropriated $75,000 for addition to post office.

La., New Orleans—Wharf, etc.—Lighthouse Inspector, New Orleans, receiving bids July 25 for wharfs, walks and foundations under privies at Southwest Pass Light Station. (See adv. June 29 issue).

Mich., Charlotte—U. S. Government making plans for post office at Charlotte, about $65,000. James A. Wetmore, Washington, D. C., Act. Superv. Arch. Noted June 15.

Wis., Milwaukee—Stone—Lighthouse Inspector, Milwaukee, receiving bids July 10 for riprap stone.

Calif., San Diego—Bridge—U. S. Engineer Office, 723 Central Bldg., Los Angeles, receiving bids July 17 for repairing Old Town Bridge.

Bids In and Sontracts Awarded

R. I., Providence—Dredging—Government rejected bids June 12 for dredging Providence Harbor. New Bids. Noted June 1.

Conn., Middletown—Post Office—Government let contract post office to W. H. FISSELL & CO., New York, $100,900. Noted May 18 and June 22.

N. Y., Madison—Building—Government let contract building at Madison Barracks to C. GAMBLE, Sacketts Harbor, $5,645.

N. Y., Tompkinsville—Riprap—Lighthouse Inspector rejected only bid for 1,000 tons riprap at Little Gull Island Light Station. Noted May 25.

N. Y., Waterloo—Post Office—Government re-jected bids June 30 for post office. Noted June 1 and 29.

Penn., Pottstown—Post Office—Low bids for post office (a) limestone, (b) sandstone were: Richardson & Burgess, Washington, D. C., (a) $69,888; James Duvall, Canton, Ohio, (a) $69,-990 (b) $71,224; J. L. Robinson Construction Co., Baltimore, (a) $71,510. Noted June 1.

Md., Baltimore—Dredging—Government let contract dredging Patapsco River to MARYLAND DREDGING AND CONTRACTING CO., Baltimore, $26,250. Noted May 18 and June 29.

D. C., Washington—Crane—Low bid for crane Niles Bement Pond Co., New York, N. Y., $8,735 delivered at Puget Sound, Wash., and $7,655 at Philadelphia.

D. C., Washington—Dredging—Government let contract dredging Navy Yard to DORSEY & MILLER CO., Corcoran Bldg., 18c. cu.yd. Noted June 8 and 29.

D. C., Washington—Water Meters—Low bid for water meters Badger Meter Manufacturing Co., Milwaukee, $6,35 each. Noted June 8.

Va., Norfolk—Buildings—Government let contract buildings at Navy Yard to NEWPORT CONTRACTING AND ENGINEERING CO., Newport News, $15,334. Noted June 8 and 29.

Va., South Boston—Post Office—Government let contract post office to NEWPORT CONTRACTING AND ENGINEERING CO., Newport News, $42,438. Noted May 25 and June 22.

Ga., Ft. Screven—Building — Government let contract buildings to UNITED ENGINEERING AND CONTRACTING CO., Astoria, Ore., $12,590.

La., Minden—Post Office—Government let contract post office to ALGERNON BLAIR, Montgomery, Ala., $45,570. Noted May 25 and June 29.

Miss., Picksburg—Levee Work—Government let contract levee work to W. J. MASSEY & M. WOLCHAUSKY, $60,750. Noted June 8.

Ohio, Alliance—Post Office—Government let contract post office to ROBERT MELLOR, Alliance, $94,500. Noted June 1 and 29.

Ind., Michigan City—Dredging — Government let contract dredging Michigan City Harbor to GREAT LAKES DREDGE AND ROCK CO., Chicago, $4,675. Noted May 18 and June 29.

Ind., Washington—Post Office—Government let contract post office to H. G. MITCHELL, Scottsburg, $49,995. Noted May 25 and June 29.

Iowa, Grinnell—Post Office—Low Bids for post office (a) limestone, (b) sandstone, were: Charles Weitz, Des Moines, (a) $60,500; C. W. Gindele Co., Chicago, (a) $62,250; Thomas W. Cissell, Wooster, Ohio, (a) $64,002, (b) $67,000. Noted June 1.

Neb., Alliance—Post Office—Government let contract post office to GEORGE A. SHAUL, Seneca, Kan., $56,996. Noted June 1 and 29.

S. D., Redfield—Post Office—Low bids for post office were: G. W. Stiles Construction Co., Rookery Bldg., Chicago, (a) $59,355; Charles Weitz, Des Moines, (a) $58,780; W. D. Lovell, Minneapolis, (a) $59,600. Noted May 25.

Tex., Ft. Bliss—Pumping Plant—Government let contract pumping plant to W. B. PERRY ELECTRIC CO., 286 Livingston St., New York. Noted May 11.

Tex., Ft. Sam Houston—Building—Government let contract buildings to E. D. HARRIGAN, $47,-682. Noted June 1.

Okla., Kiowa—Building—Contract for employees' quarters at Kiowa Agency awarded to BOWMAN & JESSE, Lawton, $6,424. Noted June 29 under Washington D. C.

Idaho, Boise—Post Office—Government rejected bids for post office. Noted May 11 and June 8.

Ariz., Douglas—Post Office—Government let contract post office to G. FEE, San Francisco, $77,000. Noted May 25 and June 29.

Utah, Ft. Douglas—Building—Government let contract buildings to J. T. & H. E. SCHRAVEN, Salt Lake City.

Wash., North Head—Building—Government let contract building at Naval Radio Station to ILWACO MILL AND LUMBER CO., Ilwaco. Noted May 25 and June 1.

Wash., Seattle—Guide Wall — Government let contract guide wall to LESTER & MONOHAN, Seattle, $17,285.

Ore., Hermiston—Canal Work—Bids for canal work on Umatilla Project from Newport Land and Construction Co., Hermiston, $32,254; G. P. Wright, 602 Providence Bldg., Tacoma, $38,512; H. D. Willis, 1419 Harrison Bldg., Boise, $42,-810. Noted May 25.

Calif., San Francisco—Buildings—Government let contract buildings at Naval Radio Station to R. S. K. McMILLEN, San Francisco, $8,900. Noted June 22.

Calif., Vallejo—Bucket Dredge—Government rejected bids June 3 for bucket dredge, Mare Island. Noted May 4 and June 15.

Quam—Boilers, etc.—Bids for boilers and stack at Naval Station, (a) price per boiler delivered f.a.s. Norfolk, Va., (b) f.o.b., factory, (c) stack delivered f.a.s. Norfolk, (d) f.o.b. factory were: Babcock & Wilcox Bldg., North American Bldg., Philadelphia, (a) $18,358, (b) $17,335, (c) $5,-604, (d) $6,067; E. Keeler Co. 238 West St., Williamsport, Penn., (a) $13,453, (b) $13,035; (c) $5,833, (d) $5,589. Noted June 13.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., Albany—Barge Canal Work—W. W. Wotherspoon, State Supt. of Pub. Wks., Albany, receiving bids July 18 for repairing and extending Pier 6, East River, New York, Terminal Contract No. 52.

S. C., Charleston—(Official)—Ditches and Levees—Combahee Corporation receiving bids July 26 for 6 mi. open ditch and 6⅞ mi. levee. C. J. Bendt, Secy. and Treas. (See adv. June 29 issue.)

S. C., Charleston—(Official)—Pumping Plant—Combahee Corporation receiving bids July 26 for pumping plant equipment and constructing same for land drainage. C. J. Bendt, Secy. and Treas. (See adv. June 29 issue.)

Fla., Baldwin—Drainage—Surveys made for reclamation of Baldwin Drainage District No. 1 Isham, Randolph & Co., Jacksonville, Engr.

Fla., Hastings—Drainage—Plans made for drainage district, 5,210 acres, near Hastings Ellis, Curtis & Kooker, Jacksonville, Engr.

Fla., New Smyrna—Drainage—Surveys made for draining 48,000 acres for Lake Ashby Drainage District. Isham, Randolph & Co., Jacksonville, Engr. Noted Dec. 23.

Fla., Orlando—Drainage—Plans made for drainage of Upper St. Johns District, 265,000 acres. About $2,500,000. Isham, Randolph & Co., Jacksonville, Engr.

Miss., Greenville—Dredging—County Board of Drainage Commissioners receiving bids July 10 for dredging 2,700 cu.yd.

La., Burtville—(Official) — Drainage—Bayou Paul Drainage District receiving bids July 30 drainage system, 7 or 8 mi. L. Z. Huey, Baton Rouge, Engr. About $10,000. Noted June 15.

La., New Orleans—Pipe—Sewerage and Water Board receiving bids July 18 riveted steel pipes for drainage system, Contract 78-D. About $9,000. G. G. Earl, Supt. Noted June 15.

Ky., Paducah—Reclamation—Drainage Committee lets contract in fall for draining Mayfield Creek to reclaim 40,000 acres, about $200,000 John Edward Johnson, Engr. Noted June 29.

Ind., Greenfield—Drainage—County receiving bids July 15 for Benjamin F. Jones et al Drain. Earl Q. Jackson, Comr.

Wis., Necedah—Dredging—Little Yellow Drainage District receiving bids July 11 new ditches and deepening and widening old ditches. A. C Willard, Secy.

Iowa, Muscatine—Levee—Drury Drainage District voted $65,000 bonds for rebuilding protecting levee. Noted June 8.

Iowa, Nevada—Drainage—Highway Drainage District No. 74 made surveys for draining highways in Northern Sherman and South Lincoln Townships, about $55,000.

Iowa, Northwood—Drainage—Worth County receiving bids July 20 drainage work in District 23. C. N. Urdahl, Northwood, Audr.

Iowa, Waterloo—Drainage—County Supervisors plan tile drainage for No. 1800 Drainage Project J. W. Brandt, Engr.-in-Charge.

Minn., Detroit—Ditch—County Commissioners plan County Ditch No. 17.

Mont., Kalispell—Irrigation—J. A. Green, Northern Idaho and Montana Power Co., interested in irrigation of land around city.

Mo., Clinton—Drainage—Pioneer Drainage District, Henry County, receiving bids July 11 for main ditch, 9 mi., and 4 laterals, 2 mi. Brooks & Jacoby, Shukert Bldg., Kansas City, Engr. Noted June 22.

Tex., Galveston—Bulkhead—Thomas E. Ellis, Wharton, interested in bulkhead across Turtle Bay to conserve water for irrigating purposes.

Utah, Richfield—(Official) — Drainage — Sevier County Drainage District No. 1 receiving bids July 28 for tile drainage system. Brown & Kleinschmidt, 306 Dooley Blk, Salt Lake City, Engr. L. A. Wilson, Secy. (See adv. June 29 issue)

Calif., Lafayette—Irrigation—Irrigation district being formed to build reservoirs and canals. About $300,000.

Calif., Riverside—Drainage—County Supervisors, Riverside, receiving bids July 10 for reclaiming 8,000 acres in Perris Valley Section. A. B Pilch, Clk. Noted May 25.

Calif., Riverside—(Official)—Drainage—Riverside County receiving bids July 10 ditches and levees Drainage District No. 2. About $92,525. R. O. Brown, 630 California Bldg., Los Angeles, Supt. of Constr. Nooted June 15.

Calif., Sacramento — Irrigation — Carmichael Colony Irrigation District will vote on $90,000 bonds for pumping plant and canals.

Calif., Stratford—Irrigation—Stratford Irrigation District being formed to irrigate 10,000 acres on east side of Kings River. Harry McCune, Dir.

Bids In and Contracts Awarded

Mass., Plymouth—Dredging—Harbor and Land Commission received bids June 28 for dredging in Plymouth Harbor, 50,000 cu.yd. from Boston Dredging Co., 40 Central St., Boston, $0 249 per yd., Bay State Dredging Co., 254 Atlantic Ave., Boston, $0.254, J. S. Packard Dredging Co., Providence, $0.25¾.

Del., Edgemoor—Dredging—Contract let to AMERICAN DREDGING CO., 308 Chestnut St., Philadelphia, Penn., 18¾c. cu.yd. for dredging harbor, 12,500 cu.yd.

Iowa, Clarion — (Official)—Drainage — Wright and Hamilton Counties let contract drainage work in Joint Districts Nos. 133 and 138 to INTERNATIONAL SEWER PIPE AND TILE CO., Webster City. Noted June 8.

Iowa, Eldorado—Ditches—Hardin County let contract ditches to IOWA PIPE AND TILE CO., Des Moines, and JOHN BLUNT, Ft. Dodge. About $14,000. Noted June 1.

Iowa, Webster City—Drainage—Contract let to HAWKEYE CONSTRUCTION CO. for Drain No. 188, $40,862.

Minn., Morris—Ditch—Contract Ditch No. 24 let to CARL CHRISTENSEN, Litchfield, $5,160.

Minn., Owatonna — Ditch — Contract Judicial Ditch No. 4, 84,464 cu.yd. excavation, let to V. E. McDONALD, Owatonna, $0.13 cu.yd.

Mo., St. Louis—(Official)—Dredging—City will dredge River des Peres by day labor. About $15,000. Noted June 22.

Utah, Provo—Canal—Contract let to REYNOLDS-ELY CONSTRUCTION CO., Springville, $130,515, 25 mi. canal extensions and laterals in Goshen Valley.

Wash., Wenatchee—Staves—Wenatchee Reclamation District let contract 400,000 ft. staves to PACIFIC CREOSOTING CO., Seattle, $5,100 per M.

Ore., Hermiston—Canal—Contract let to NEWPORT LAND AND CONSTRUCTION CO., Hermiston, $32,254, enlarging feed canal.

MISCELLANEOUS

Proposed Work

N. Y., Cohoes—Dock—John E. Matton, Waterford, plans dry dock and sheds, about $60,000.

N. Y., New York—(Borough of Bronx)—Retaining Wall, etc.—C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., Manhattan, receiving bids July 10 for excavating, retaining wall, pavements, etc., at Public School No. 32, Bronx.

N. Y., New York—(Borough of Bronx)—Subway—Public Service Commission, 120 Broadway, Manhattan, receiving bids July 17 for railroad duct line for Seventh Avenue-Lexington Avenue Rapid Transit R.R.

N. Y., New York—(Borough of Manhattan)—(Official)—Station Finish—Public Service Commission for First District receiving bids July 14 for station finish for Grand Central Station of Queensboro Subway.

Penn., Beaver Falls—Swimming Pool—City making plans for municipal swimming pool. About $10,000. Charles Ruhe, Clk.

Ga., Chino—Retaining Walls—Chino Creek Protection District plans concrete retaining walls along creek, about $18,000.

Fla., Jacksonville—Dock and River Improvements—Armour Fertilizer Co., Wilson Toomer Fertilizer Co. and Atlantic Coast Line Co. plan improving frontage of St. John's River by deepening channel and filling back of bulkhead for dockage purposes, about $100,000.

Fla., Tampa—Market—City plans public market at 7th and 21st St. About $60,000. D. B. McKay, Chn. Comrs. Pub. Wks.

Fla., Tampa—Park Building—Board of Public Works made plans for park building. A. L. Shaw, American National Bank Bldg., Arch.

Miss., Greenville—Dock—City plans docks. A. K. Parker, City Engr.

La., Lake Charles—Wharf—City lets contract in August municipal wharf. Cost, $15,000. E. L. Gorham, City Engr. Noted June 8.

Ohio, Alliance—Park and Playgrounds — City votes Aug. 8 on $100,000 bonds for parks and playgrounds.

Ohio, Cleveland—(East Cleveland)—Park—City plans park and playgrounds on Shaw Ave.

Ohio, Granville—Swimming Pool—J. S. Jones, Pres. Jones Sunday Creek Coal Co., Columbus, plans 1-story swimming pool and conservatory. About $7,000. A. D. Taylor, 1900 Euclid Ave., Cleveland, Arch.

Ohio, Middletown—Parks—City votes in August on $35,000 bonds for parks. W. C. Morrison, City Engr.

Ohio, Piqua—Natatorium—City made plans for natatorium, fountain and park. W. E. Russ, Indianapolis, Ind., Arch. H. Hartley, Park Comr.

Ohio, Troy—Tunnel—Cincinnati, Hamilton & Dayton R.R. plans tunnel under tracks on East Canal St. F. L. Stuart, Baltimore, Md., Ch. Engr.

Ind., Ligonier — Mausoleum — Strauss Bros. made plans for mausoleum. About $15,000. A. M. Strauss, Bank Bldg., Ft. Wayne, Arch.

Wis., Racine—Bathhouse — City making plans for 1-story, 40x100-ft. bathhouse. About $10,000. A. Fisk, Supt. Park Bd.

Minn., Pipestone—Memorial Tablet—County receiving bids July 19 for memorial tablet of D. E. Sweet. T. A. Bailey, Pipestone, County Audr.

Mo., Kansas City—Levees—City plans levees along Missouri River. About $500,000. Curtis Hill, City Engr.

Tex., Galveston—(Official)—Bulkhead—Galveston County receiving bids July 17 for reinforced-concrete pile bulkhead along boulevard. John M. Murch, County Audr. Noted June 15.

Tex., Galveston—Pier and Pavilion—City granted franchise for amusement pier and pavilion. About $25,000. J. E. Pearce, care of Murdock Bathhouse Co., Interested. Noted June 22.

Tex., Orange—Shipbuilding Ways—F. Swails plans shipbuilding ways on Sabine River.

Utah, Salt Lake City—Tunnel—Salt Lake Power and Water Co. plans tunnel, 15,000 ft., about $800,000. Address F. H. Vahrenkamp, Gen. Mgr., Boston Development Co.

Wash., Seattle—Comfort Station—Board of Public Works soon lets contract for comfort station at 4th Ave. and Madison St. About $27,000. Noted June 29.

Wash., Seattle—Dock—Frank Waterhouse Co., Central Bldg., plans dock. About $300,000.

Calif., Longbeach—Pier—City votes on $500,000 bonds for horse-shoe pier to span Pine and Morgan Ave. A. de Ring, City Engr.

Calif., Richmond—Bathhouse—City plans bathhouse.

Que., Quebec—Grandstand—Civic Roads Committee approved plans submitted by George Morisett, Secy. Quebec Provincial Exhibition Grounds, for grandstand. About $7,000.

Bids In and Contracts Awarded

Mass., Dartmouth—Breakwater—Harbor and Land Commission received bids June 28 for 8,500 tons stone for breakwater at Salters Point from John R. Burke, 78 Devonshire St., Boston, $1.78 per ton. E. S. Belden & Son, Hartford, Conn., $2.13, Rockport Granite Co., Rockport, $2.90.

Mass., Hull—Breakwater—Harbor and Land Commission received bids June 28 for 20,000 tons stone for breakwater at Gun Rock Point from Rockport Granite Co., Rockport, $1.55 per ton, Dennis F. Crowley, East Milton, $1.63, Cape Ann Granite Corporation, Beverly, $1.65. Noted June 15 under Boston.

Mass., Sandwich—Jetties—Harbor and Land Commission received bids June 28 for 2,000 tons stone for extending jetties from Rockport Granite Co., Rockport, $2.40 per ton, Bay State Dredging Co., 247 Atlantic Ave., Boston, $2.49; Dennis F. Crowley, East Milton, $2.85.

N. Y., New York—(Borough of Bronx)—(Official)—Elevated Work—Low bid for 180th St. yard of Route 1, part White Plains Road Rapid Transit R.R., T. Buckley Construction Co., 303 5th Ave., Manhattan, $289,000. Noted June 15.

N. Y., New York—(Borough of Manhattan)—(Official)—Structural Steel—Public Service Commission for First District rejected bids received June 5 for 52,000 tons structural steel for use in construction of rapid-transit railroads. Noted May 25.

Penn., Philadelphia—(Official)—Elimination of Grade Crossings—Pennsylvania R.R. let contract eliminating grade crossings under Contract 4 to THOMAS F. REILLY, Bala. Noted June 8.

Md., Baltimore—Bulkhead—Pennsylvania R.R. let contract bulkhead foot of Bond St. to CONSOLIDATED ENGINEERING CO., Calvert Bldg.

Md., Locust Point—(Baltimore post office)—(Official)—Pier—Baltimore & Ohio Railroad Co. let contract Pier 6 to H. S. KERBAUGH, INC., Munsey Bldg., Baltimore. Noted June 22.

D. C., Washington—Swimming Pool—Trinity College let contract addition to swimming pool at Michigan Ave. and Harewood Rd. to SAMUEL H. EDMONSTON CO., 611 G St.

Miss., Meridian—Subway—Contract let for 26th St. Subway to M. M. ELKIN & CO., Macon, Ga. Noted Dec. 2.

Ohio, Crooksville—(Official)—Skating Rink—Contract skating rink let to MILTON HENRY, Crooksville. Noted June 22.

Ind., Vincennes—(Official)—Trestle—Cleveland, Cincinnati, Chicago & St. Louis R.R. will rebuild trestle by own forces. C. A. Paquette, Cincinnati, Ohio, Ch. Engr. Noted June 22.

Ill., Chicago—(Official)—Dock Wall and Breakwater—Harbor and Subway Commission let contract dock wall and breakwater to GREAT LAKES DREDGE AND DOCK CO., Chicago. Noted June 8.

Wis., Burlington—Mausoleum—Contract mausoleum let to R. H. FITCH.

Wis., Milwaukee—Breakwater—Park Commissioners let contract breakwater South Shore Park to GREILING BROS., Green Bay, $178,000.

N. D., Grand Forks—Swimming Pool—Contract swimming pool let to B. & O. CONCRETE CO.

Mo., Kansas City—(Official)—Speedway—Kansas City Speedway Association let contract speedway to CAMERON-JOYCE & CO., Midland Bldg. About $50,000. Noted Nov. 25.

Ariz., Ray—(Official)—Flood Protection — Ray Consolidated Copper Co. let contract bulkhead and retaining wall to MASMER & RICE, Los Angeles, $43,900. Noted May 18.

Wash., Seattle—Fill County Commissioners let contract hydraulic fill between Portage and Ellisport to P. MANSON, 2407 Boylston Ave., N., $30,975.

Wash., Seattle—Shed—Port Commissioners let contract extension Salmon Bay Transit Shed to PUGET SOUND BRIDGE AND DREDGING CO., Central Bldg., $11,345.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

N. H., Newport—City plans high school, about $85,000, gift of L. D. Towle, 15 State St., Boston. F. O. Chellis, Chn. Bldg. Com.

N. H., Peterboro—Town voted $60,000 bonds for town hall.

Vt., Proctor—City making plans for high school. About $50,000. R. Clipston Sturgis, 120 Boylston St., Boston, Arch.

Mass., Holyoke—State Commissioner of Health receives bids for hospital. About $60,000. T. J. McCarthy, City Engr. Noted May 25.

Mass., New Bedford—George B. Post & Sons, Arch., making plans for hotel.

Conn., Norwalk—City making plans for hospital. Boring & Tilton, 32 Broadway, New York, Arch.

N. Y., New York—(Borough of Manhattan)—Department Public Charities, Municipal Bldg., Manhattan, receiving bids July 13 for repairs and replacements to buildings in Metropolitan Hospital district, Blackwells Island.

N. J., Asbury Park—Henry and Walter Rosenberg making plans for theater at St. James Pl. and Cookman Ave. About $150,000. Thomas W. Lamb, 644 8th Ave., New York, Arch.

N. J., Camden—Parkside Methodist Episcopal Church making plans for 1-story edifice. About $50,000. George E. Savage, Witherspoon Bldg., Philadelphia, Arch.

N. J., Newton—Board of Education made plans for high school. About $65,000. Rasmussen & Wayland, 1133 Broadway, New York, Arch. Noted June 8.

N. J., Pensgrove—Peoples Bank preparing plans for bank building. Moffet & Stewart, Arch.

N. J., Trenton—St. Pauls Methodist Church plans edifice at West State St. and Fisher Pl. About $50,000.

Penn., Hazleton—St. John's Primitive Methodist Episcopal Church soon lets contract for Sunday school and parish house. George E. Savage, Witherspoon Bldg., Philadelphia, Arch.

Penn., Scranton—Scottish Rite Masons plan cathedral. About $200,000.

Penn., Sewickley—School Board plans school. About $150,000. H. D. Gilchrist, Frick Bldg., Pittsburgh, Arch.

Penn., Titusville—Chautauqua Board of Education plans $50,000 bond issue for addition to high school at Assembly grounds. R. S. Park, Secy Bd.

Penn., Wilkes-Barre—Jonas Long's Sons making plans for 4-story reinforced-concrete department store. Sturdevant & Poggi, Arch.

Md., Baltimore—E. H. Kolster, 48 West Lexington St., made plans for 2 buildings on West Lexington Ave. About $40,000. John Freund, Arch.

W. Va., Clarksburg—Mason Hospital Co. soon receives bids for hospital. About $50,000. E. F. Stevens, Park St., Boston, Mass., Arch. Noted May 11.

W. Va., Huntington—Fifth Avenue Baptist Church making plans for edifice at 5th Ave. and 12th St. About $100,000. W. A. Hunt, Chattanooga, Tenn., Arch.

W. Va., Morgantown—West Virginia University soon receives bids for college buildings. About $200,000. Paul A. Davis, 1713 Sansom St., Philadelphia, Arch. Noted Dec. 30.

S. C., Rock Hill—B. P. O. E. Lodge No. 1318 plans club and hotel building. About $50,000. W. G. Stevens, Chn.

Ga., Augusta—St. Paul's Congregation made plans for church and parish house. H. T. E. Wendell, Arch.

Ga., Macon—(Official)—City voted $100,000 bonds for auditorium and $100,000 for hospital. D. S. Jones, City Clk. Noted May 11.

Fla., Cocoa—Board of Public Instruction, Brevard County, receiving bids July 17 for high and grade school. About $40,000. Mark & Sheftall, Jacksonville, Arch. Noted June 22.

Fla., Key West—Board of Public Instruction plans high school, about $100,000.

Ala., Florence—School Board soon lets contract for school. About $45,000. Knight & Quale, Chattanooga, Tenn., Arch. Noted June 15.

Ohio, Akron—Central Union Telephone Co. receives bids for 3-story, 100x115-ft. building on High St., about $60,000.

Ohio, Bowling Green—Board of Trustees, Bowling Green State Normal College, receiving bids July 21 for training school and connecting corridor to administration building. Howard & Merriam, 8 East Broad St., Columbus, Arch. Noted Mar. 23.

Ohio, Bryan—Board of Education soon receives bids for grade and high school. About $120,000. W. H. Nichols, Euclid Bldg., Cleveland, Arch. Noted Apr. 27.

Ohio, Circleville—Board of Education receiving bids July 12 for 2-story high school. About $130,000. Frank L. Packard, 1212 Hayden Bldg., Columbus, Arch. Noted June 1.

Ohio, Dayton—Germania Building Association plans 6-story bank, store and office building. Peters, Hermann & Brown, 1126 Reibold Bldg., Arch.

Ohio, Eaton—Preble County receives bids about Aug. 1 for courthouse and jail. About $250,000. G. W. Rehfuss, Clk. Preble County Comrs. Noted Apr. 27.

Ohio, Franklin—City voted $125,000 bonds for school. Noted June 1.

Ohio, Newark—Pennsylvania R R. plans freight station on 5th Ave. About $146,000. A. Shand, Philadelphia, Ch. Engr.

Ohio, New Straitsville—Board of Education receiving bids July 20 for school. Matheny, Allen & Mounts, 310 Huntington Bank Bldg, Columbus, Arch. Noted June 22.

Ohio, Springfield—Odd Fellows of Ohio plan hospital and nursery in connection with home. About $50,000.

Ohio, Tiffin—Ursuline Sisters plan building. About $60,000.

Ohio, Youngstown—Ernest Salow plans 10-story hotel. About $250,000.

Ind., Ft. Wayne—Knights of Columbus plan lodge building. About $60,000. C. Weatherhogg, Hamilton National Bank, Arch.

Ind., Greensburg—Trustees of Jackson Township plan central high school. A. Kelly, Chn.

Ind., Muncie—Cyrus Heath, Noblesville, plans building at Muncie. About $50,000

Mich., Flint—City voted $500,000 bonds for high school.

Mich., Grand Rapids—Y. W. C. A made plans for building. About $250,000. Robinson & Campau, Arch. Noted Dec. 2.

Mich., Royal Oak—(Official)—Royal Oak Methodist Episcopal Congregation receiving bids July 15 for church and Sunday school, about $60,000. W. E. Hunter, Chamber of Commerce Bldg., Detroit, Arch. Noted June 15.

Mich., South Haven—City votes July 17 on $50,000 bonds for city hall and armory. Noted June 1.

Ill., Joliet—Contract soon let for Silver Cross Hospital. C. W. Webster, Arch.

Wis., Fond du Lac—Knights of Columbus making plans for club house, 80 Sheboygan St. About $65,000. J. E. Hennen 74 South Main St, Arch.

Wis., Rhinelander—Y. M. C. A. making plans for building. H. F. Liebert, Arch.

Wis., Union Grove—(Official)—Board of Control of Wisconsin receiving bids July 20 for 10 buildings at Home of Feeble Minded. J. O. Davidson, Pres. of Bd. Noted Jan. 20. (See adv. June 29 issue.)

Iowa, Carroll—City making plans for high school. About $100,000. Charles A. Dieman & Co., Granby Bldg., Cedar Rapids, Arch.

Iowa, Floyd—City votes July 12 on $45,000 bonds for school. H. B. Burr, Commercial Bldg., Waterloo, Arch. Noted June 15.

Iowa, Irving—(Official)—City receives bids about July 15 for 2-story, 68x110-ft. school. About $50,000. Noted June 15.

Iowa, Osage—Board of Education receiving bids July 17 for grade school. About $65,000. A. E. Knoulton, Secy. Independent School District. Noted June 15.

Minn., Adams—Board of Education receiving bids July 10 for high and grade school. A. Torgenson, Secy. Bd. S. W. Kenny, Fitzsimmons Bldg., Minneapolis, Arch.

Minn., Argyle—School Board receiving bids July 11 for 2-story school. Bert D. Keck, Crookston, Arch.

Kan., Harper—(Official)—City receives bids about July 30 for high school. About $40,000. S. S. Voigt, Barnes Bldg., Wichita, Arch. Noted June 22.

Kan., Independence—Commercial National Bank making plans for 6-story bank and office building. Noted Jan. 13.

Kan., Kiowa—Board of Education receiving bids July 17 for 2-story school, about $40,000. S. S. Voigt, Barnes Bldg., Wichita, Arch. Noted June 29.

Kan., Ness City—Ness County plans courthouse. About $50,000.

Kan., Spearville—Mann & Gerow, Arch., Hutchinson, making plans for 1-story auditorium and gymnasium.

Neb., Columbus—Board of Education plans high school.

Neb., Fremont—Dodge County voted $100,000 bonds for courthouse. J. O'Connor, Clk. Noted May 25.

Neb., Lincoln—University of Nebraska receiving bids July 22 for building. J. S. Dales, Secy. Bd. of Regents. Noted Apr. 27.

S. D., Madison—Board of Education receiving bids July 14 for high school. H. H. Holdridge, Clk. of Bd.

S. D., Webster—Board of Education of Webster Independent School District receiving bids July 25 for 2-story school. About $65,000. Oscar Grue, Clk. of Bd. Noted June 15.

N. D., Cole Harbor—(Underwood post office)—School District receiving bids July 10 for school. Gilbert R. Horton, Citizens National Bank Bldg., Jamestown, Arch.

N. D., Minot—(Official)—City receiving bids July 24 for high school. About $125,000. W. E. Hulse & Co., Hutchinson, Arch. Noted June 22.

Wyo., Thermopolis—Garbutt, Weidner & Holdrege, Arch., receiving bids July 10 for Carter Sanatorium. About $50,000.

Mont., Bridger—City votes on bonds for school.

Mont., Butte—(Official)—First Church of Christ receiving bids July 15 for church. About $50,000. J. M. Warren, 216 Daly Bldg., Arch. Noted June 8.

Mont., Glendive—John E. Murphy made plans for Hotel Jordan. B. Rivenes, Milligan Bldg, Niles City, Arch.

Mo., St. Louis—Y. M. C. A. plans building. About $200,000. Louis Boeger, Pres.

Ark., Jonesboro—City making plans for high school. L. M. Withers, Memphis, Arch.

Tex., Ft. Worth—Temple Beth El Congregation plans synagogue. About $40,000.

Tex., Ft. Worth—City votes July 22 on $220,000 bonds for schools. Noted Dec. 16.

Tex., Paris—(Official)—J. L. Wees, Arch., Commercial Bldg., St Louis, Mo, receiving bids about Aug. 1 for bank and office building. About $100,000. Noted June 15.

Tex., Paris—Southwestern Telephone and Telegraph Co. plans building.

Tex., Sherman—City votes July 15 on $100,000 bonds for school. Noted June 29.

Tex., Sweet Water—City receiving bids July 24 for courthouse. About $100,000. C. H. Page & Bros, Austin, Arch. Noted May 25.

Okla., Francis—A. F. & A. M. plans business and lodge building.

Okla., Medford—City voted bonds for city hall.

Okla., Tulsa—George Winkler, Arch., Palace Bldg., receives bids for 5-story, 50x140-ft. addition to Palace Bldg, 4th and Main St. About $80,000. Noted May 25.

Okla., Wewoka—Seminole County votes on $100,000 bonds for courthouse.

Colo., Denver—D. C. Webber made plans for theater at Broadway and Bayaud St.

Calif., Chico—City voted $60,000 bonds for school. Noted June 1.

Calif., Longbeach—City votes on $50,000 bonds for hospital and $200,000 bonds for city hall.

Calif., Martinez—City votes July 15 on $50,000 bonds for school. Noted June 22.

Calif., Napa—S. M. Levee plans building. About $47,000. B. J. Joseph, 74 New Montgomery St., San Francisco, Arch.

Calif., Santa Barbara—Presbyterian Congregation receiving bids about Aug. 1 for church on East Anapamu St. About $100,000. Roland F. Sauter, Arch. Noted Sept. 30.

Calif., Yreka—A. F. & A. M. plans temple. About $40,000. F. E. Wadsworth, Chn. Ways and Means Com.

Bids In and Contracts Awarded

Maine, Portland—City let contract high school to F. W. CUNNINGHAM & SON.

Maine, Rockland—Knox Hospital Corporation let contract hospital to WILLIAM H. GLOVER CO., Rockland. Noted Mar. 2.

Maine, Sanford—(Official)—Sanford Building Co. let contract bank and office building to OTTO NELSON CO., Bangor. About $75,000. Noted Apr. 27.

Vt., Richford—(Official)—City let contract 2-story, 78x114-ft. high school to W. B. FEER & CO., Richford. Noted June 8.

Mass., Amherst—Chi Phi Fraternity let contract fraternity house to ALLEN BROS., Amherst. About $50,000. Noted June 8.

Mass., Canton—Morgan Construction Co., Milton, lowest bidder for administration building for Massachusetts Hospital School. S. W. Mead, 20 Pemberton Sq., Boston, Arch. Noted June 29.

Mass., Lynn—City let contract school to CHARLES W. WRIGHT, Security Trust Bldg. About $140,000. Noted June 29.

Mass., Newton—City let contract school to B. F. SMITH CO., 136 Federal St., Boston. About $50,000.

Mass., Quincy—(Official)—Alhambra Theater, Inc., let contract motion-picture theater to MORGAN & BOLT, $53,200. Noted Mar. 2.

Mass., Shelburne Falls—(Official)—Arms Academy let contract building to JOSEPH FOWLES, Northampton St., Holyoke. Noted June 1.

N. Y., Hamilton—Colgate University let contract 1-story, 65x114-ft. memorial building to EDWARD K. FENNO, 204 North Beech St, Syracuse. About $125,000. Noted Mar. 16.

N. J., East Orange—De Riso Bros, 3rd St, Union, lowest bidder addition to Elmwood School. Gilbert & Betelle, Newark, Arch. Noted June 8.

Penn., Pottstown—Bell Telephone Co. let contract building to F. H. KEISER & CO., Pottstown. About $40,000.

Va., Alexandria—Contract let Alexandria Hospital to RICHARDSON & BURGESS, Washington, D. C., $66,666. Noted Jan. 13.

W. Va., Charleston—(Official)—Citizens National Bank let contract remodeling building at Quarrier and Capitol St. to W. H. FISSELL & CO., 1328 Broadway, New York. Noted Apr. 13.

S. C., Chester—(Official)—Contract let to TAYLOR WATERS CO., Columbus, for 2-story domestic arts building on College St. school grounds. Noted June 22.

Fla., Ft. Meyers—M. O. Terry let contract remodeling Royal Palm Hotel and building addition to G. K. & E. M. WILLIAMS, Oeala. About $40,000. Noted Apr. 6.

Ohio, Ansonia—Board of Education let contract school to A. H. CLARK, Cincinnati.

Ind., Huntington—(Official)—Huntington County let contract hospital to INDIANA TRUST CO., Indiana Trust Bldg., Indianapolis, $42,400. Noted June 8

Ind., Indianapolis—Contract let to BEDFORD STONE AND CONSTRUCTION CO. for 5-story hotel. About $200,000. Noted Feb. 24.

Ind., Rome City—Kneipp Sanitarium let contract addition to KRATZER & SON, St. Louis, Mo. About $106,000. Noted June 8.

Mich., Manistique—Board of Education let contract high school to VALKIN CONSTRUCTION CO., Chicago, $105,000. Noted June 22.

Ill., Chicago—Chicago Telephone Co., 212 West Washington St., let contract 4-story build-at 3606 Ogden Ave. to A. DAVAGH. About $40,000.

Ill., Chicago—Thirteenth Church of Christ, 10317 Longwood Dr., let contract church to R. S. WOOD & CO. About $60,000.

Ill., Waukegan—First Methodist Congregation let contract church to JOHN A. SUTHERLAND, Waukegan. About $45,000. Noted May 11.

Iowa, Dubuque—(Official)—Dubuque German College and Seminary let contract service hall to ANTON ZWACK, Dubuque. Noted June 22.

Iowa, Early—Board of Education let contract high school to GIRDES, HINTZ & McKEE, Creston, $62,000. Noted June 8.

Iowa, Lewis—(Official)—Consolidated School District let contract school to READ-MacDONALD BREWSTER, Minneapolis. About $70,000.

Iowa, Rockwell City—Bailey-Marsh Co., 25 Met. Life Bldg., Minneapolis, $97,750 lowest bidder for buildings for Iowa Industrial Reformatory. Noted Jan. 27

Iowa, Sioux City—First M. E. Congregation let contract church at 19th and Nebraska St to DUBEL & ANDERSON, 513 Jackson St. About $60,000.

Minn., Ellendale—Contract let bank and office building to C. M. TAPAGER, 206 West Clark St., Albert Lea.

Kan., Parsons—City let contract high school to HERMAN MAILANDER, $45,422.

Neb., Chadron—(Official)—State Normal School let contract 3-story addition to F. E. MULLHOLEN, Chadron, $47,117. Noted June 1.

Neb., Kearney—Board of Education let contract gymnasium on State Normal Grounds to WALTER KNUTZEN, Kearney, $50,017. Noted June 1.

Neb., Wayne—Board of Education let contract gymnasium and industrial building to J. P. RIDDLE, Creighton, $62,000. Noted June 1.

N. D., Bismarck—E. A Hughes let contract office building to MEINICKE BUILDING CO., Fargo.

N. D., Bismarck—Contract for addition to Evangelical Hospital let to WESTERN BUILDING CO., Minot, $53,700.

Wyo., Sheridan—(Official)—Contract let to N. A. PEARSON, Sheridan, $50,000, J. B. Kendrick Bldg. C. A. Randall, Arch.

Mo., St. Louis—Contract German Street Vincents Orphan Home on Florissant Ave., let to RATEMAN BUILDING AND CONSTRUCTION CO. About $200,000.

Tex., Clebourne—City let contract Rio Vista High School to EWING & MARCHANT, Paris.

Tex., Ennis—(Official)—City let contract high school to HECK & LIGHTFOOT, Ft. Worth. About $75,000. Noted June 22.

Tex., Lampass—School Board let contract high school to CASBEER & NICHOLS. About $50,000.

Idaho, Nampa—A. S. Whiteway, Boise, $43,315, lowest bidder for high school. Noted June 29.

Calif., Riverside—University of California let contract buildings for Citrus Experiment Station and Graduate School of Tropical Agriculture to CRESNER MANUFACTURING CO., Riverside. $99,829. Noted June 15.

Quick Work at Camp Whitman—On Friday, June 23, one of the officials of the 22nd Regiment, New York Engineer Corps, at Camp Whitman, telephoned the New York office of S. B. Whinery, Eastern Sales Manager of the American Well Works, requesting that a representative come to camp and confer with regard to the pumping equipment which would be required for a water-supply. Mr. Whinery spent Saturday, the 24th, at the camp and after going over the situation thoroughly it was decided that a centrifugal pump to deliver 325 gal. per min. against a total head of 239 ft. would meet the requirements in all respects. He telephoned the American Well Works, Aurora, Ill., at about 2:30 or 3 p.m. on Saturday and arranged for the immediate shipment by express of one No. 3½ Type I belt-driven pump. The pump was delivered to the camp officials at Poughkeepsie at about 9 a.m. on Sunday, the 25th, and according to a newspaper report reached Camp Whitman at Green Haven, N. Y., before day light on Monday, the 26th.

CALUMET INTERCEPTING SEWER, CHICAGO, ILL.

Bids received June 8 bw Commissioners of Sanitary District of Chicago for Calumet Intercepting Sewer, Contract Nos. 5 and 6, from (A) Marquette Construction Co., Chicago; (B) Byrne Bros. Dredging and Engineering Co.; (C) T. J. Forschner Contracting Co. The item bids were as follows:

	A	B	C
8,163 lin.ft. (a) concrete sewer, 17.5 ft. diameter	$76.00	$73.00	$80.00
8,163 lin.ft. (b) brick and concrete sewer, 17.5 ft. diameter	80.00	84.00	90.00
14 manholes on concrete sewer	70.00	60.00	75.00
14 manholes on brick and concrete sewer	75.00	85.00	75.00
Change of section on 104th st. concrete (lump sum)	500.00	50.00	200.00
Change of section on 104th st., brick and concrete (lump sum)	600.00	100.00	200.00
Crossing at 111th st. (lump sum)	475.00	2,500.00	2,000.00
Connection at South Park Ave. and 104th St.	150.00	100.00	500.00
Connection at 106th st (lump sum)	100.00	100.00	125.00
Connection at 107th st. (lump sum)	100.00	100.00	125.00
Connection at 109th st. (lump sum)	100.00	100.00	125.00
Connection at 110th st. (lump sum)	100.00	100.00	125.00
Connection at 111th st. (lump sum)	150.00	100.00	125.00
Connection at 113th st. (lump sum)	100.00	100.00	250.00
Connection at 114th pl. (lump sum)	100.00	100.00	125.00
Sewer crossing at 105th st. (lump sum)	480.00	500.00	600.00
Sewer crossing at 107th st. (lump sum)	480.00	500.00	600.00
Sewer crossing at 111th st. (lump sum)	725.00	500.00	1,500.00
Sewer crossing at 113th st. (lump sum)	480.00	500.00	600.00
1,400 lin.ft. laying 12-in. tile pipe	1.25	2.00	1.25
1,200 lin.ft. laying 10-in. tile pipe	1.20	1.50	1.25
600 lin.ft. laying 9-in. tile pipe	1.00	1.50	1.00
28 manholes on tile pipe sewer	35.00	40.00	60.00
24 catchbasins	40.00	50.00	60.00
5 additional c.-i. manhole covers and frames	10.00	10.00	20.00
5 additional c.-i. catchbasin covers and frames	10.00	10.00	20.00
600 lin.ft relaying 6-in. sewer house connections	1.00	1.00	1.25
20 connections tile pipe for future connections; 18 in.	3.00	10.00	2.50
40 connections water service connections	5.00	12.00	15.00
600 lin.ft. relaying water service pipes	1.00	1.50	1.25
900,000 lb. reinforcing steel	.03½	.04¼	.05
500 lin.ft. additional piling, furnished	.20	.20	.30
500 lin.ft. additional piling, driving	.25	.20	.30
5 M ft. b.m. cribwork on piling	50.00	40.00	50.00
5 M ft. b.m. sheeting, shoring and bracing left in place	20.00	20.00	20.00
5 M ft. b.m. plank foundations	25.00	25.00	25.00
5 cu.yd. additional excavation in open cut	.75	.75	.75
5 cu.yd. rock excavation	3.00	3.00	3.00
5 cu.yd. additional concrete, Class B	7.50	7.50	7.50
5 cu.yd. additional concrete, Class C	7.00	7.00	7.00
5 cu.yd. additional brickwork	9.00	9.00	9.00
Extended totals for (a)	$667,284	$653,450	$716,321
Extended totals for (b)	$700,106	$743,643	$797,951

	A	B	C
7,235 lin.ft. (a) concrete sewer, 17.5 ft. diameter	$77.00	$71.00	$80.00
7,235 lin.ft. (b) brick and concrete sewer, 17.5 ft. diameter	81.00	90.00	85.00
1,740 lin.ft. concrete sewer, 54 in. diameter	9.50	8.00	9.00
1,740 lin.ft. brick sewer, 54 in. diameter	10.50	14.00	9.00
1,740 lin.ft. vitrified segmental block sewer, 54 in. diameter	10.50	13.20	12.00
1,740 lin.ft. reinforced concrete pipe sewer, 54 in. diameter	11.50	12.00	12.00
1,070 lin.ft. concrete sewer, 42 in. diameter	15.00	22.50	15.00
1,070 lin.ft. brick sewer, 42 in. diameter	17.00	25.00	15.00
1,070 lin.ft. vitrified segmental block sewer, 42 in. diameter	17.00	26.00	17.00
1,070 lin.ft. reinforced concrete pipe sewer, 42 in. diameter	18.00	26.00	17.00
770 lin.ft. laying 15 in. tile pipe	2.00	2.00	1.50
3,600 lin.ft. laying 12 in. tile pipe	1.75	2.50	1.25
1,250 lin.ft. laying 9 in. tile pipe	1.00	1.50	1.25
14 manholes on 17.5 ft. sewer, concrete	70.00	60.00	75.00
14 manholes on 17.5 ft. sewer, brick	75.00	85.00	75.00
6 manholes on 54-in. sewer, concrete	35.00	40.00	30.00
6 manholes on 54-in. sewer, brick	35.00	50.00	30.00
5 manholes on 42-in. sewer, concrete	35.00	75.00	65.00
5 manholes on 42-in. sewer, brick	35.00	85.00	65.00
43 manholes on tile pipe sewers	35.00	40.00	50.00
Crossing at 115th st. (lump sum)	475.00	2,500.00	2,500.00
Crossing Chicago & Western Indiana R.R. required for constructing sewer (lump sum)	8,000	2,000	12,000
Crossing Chicago & Western Indiana R.R. optional with railroad (lump sum)	1,500	10,000	1,500
Crossing, Illinois Central R.R. required for constructing sewer (lump sum)	600.00	1,000.00	5,000.00
Crossing, Illinois Central R.R. optional with railroad (lump sum)	600.00	2,500.00	500.00
Connection at 116th st. (lump sum)	150.00	100.00	150.00
Connection at 123rd st. (lump sum)	150.00	100.00	300.00
Connection at 124th pl. (lump sum)	150.00	100.00	400.00
Sewer crossing at 120th pl. (lump sum)	725.00	500.00	700.00
66 catchbasins	40.00	50.00	60.00
6 additional c.-i. manhole covers and frames	10.00	10.00	20.00
6 additional c.-i. catchbasin covers and frames	10.00	10.00	20.00
500 lin.ft. relaying 6-in. sewer house connections	1.00	1.00	1.25
200 replacing 6-in. house slant in 54 and 42-in. sewer	1.00	.75	1.25
10 connections tile pipe for future connections 18 in.	3.00	10.00	2.50
70 connections water service connections	5.00	12.00	15.00
2,300 lin.ft. relaying water service pipes	1.00	1.50	1.25
800,000 lb. reinforcing steel	.03½	.04¼	.05
200,000 lb. structural steel	.06	.06	.06
500 lin.ft. additional piling furnished	.20	.20	.30
500 lin.ft. additional piling driven	.25	.20	.30
5 M ft. b.m. cribwork on piling	50.00	40.00	50.00
5 M ft. b.m. sheeting, shoring, bracing or other timbering left in place	20.00	20.00	20.00
5 M ft. b.m. plank foundations	25.00	25.00	25.00
5 cu.yd. additional excavation in open cut	.75	.75	.75
5 cu.yd. additional excavation in tunnel	3.00	3.00	3.00
5 cu.yd. rock excavation	3.00	3.00	3.00
5 cu.yd. additional concrete, Class B	7.50	7.50	7.50
5 cu.yd. additional concrete, Class C	7.00	7.00	7.00
5 cu.yd. additional brickwork	9.00	9.00	9.00
1,000 cu.yd. stripping black soil	1.00	1.00	.35
Extended totals for (a)	$663,976	$644,306	$706,783
Extended totals for (b)	$696,866	$795,346	$472,958

ROAD, TUCSON, ARIZ.

Bids received June 15 by Pima County for Ajo Road, 26 mi. waterbound macadam, from (A) Warren Bros. Co.; (B) Maney Bros. & Co.; (C) Toohey & Johnson; Bent Bros., $236,294; S. P. Contracting Co., $142,945; Mesner & Rice, $185,399. The item bids of the 3 lowest bidders were as follows:

	A	B	C
Excavation, per cu.yd.	$0.25	$0.21	$0.26
Borrow pit, per cu.yd.	.25	.21	.26
Solid rock, per cu.yd.	1.30	1.50	1.60
Loose rock, per cu.yd.	.70	.55	.60
Reinforced concrete, cu.yd	12.00	14.00	13.50
Plain concrete dip, per cu.yd.	6.00	11.50	10.50
Plain concrete culvert walls	8.00	12.00	10.00
Plain concrete in aprons or checks	6.00	12.00	9.50
Macadam, Section A, per sq.yd.	33⅓*	.48	.50
Macadam, Section B, per sq.yd.	.23*	.32	.40
Macadam, Class A, per sq.yd.	....	.48	....
Macadam, Class B, per sq.yd.	....	.32	....
Stone riprap, per cu.yd.	3.00	1.50	†6.00
Side ditch, per cu.yd	.40	.21	.50
Clearing, per acre	9.00	8.00	7.50
Grubbing, per acre	9.00	15.00	7.50
Excavating for footings, cu.yd.	.75	.40	.50
Setting corrugated culvert pipe—			
No. 16—12 in. diameter, per lin.ft. impl.	1.10	1.75	....
No. 16—18 in. diameter, per lin.ft. impl.	1.56	1.90	1.50
No. 16—24 in. diameter, per lin.ft. impl.	2.04	2.40	1.96
No. 14—30 in. diameter, per lin.ft. impl.	2.96	3.20	....
No. 14—36 in. diameter, per lin.ft. impl.	3.54	3.90	3.40
Extended totals	$95,995	$118,509	$142,880
Wetting by sprinkling, rolling as go	3,660		
	$99,655		

*With water, 1½ times more. Water in some instances would have to be carted considerable distance. †Square yard.

WATER PIPE LINE, TRINIDAD, COLO.

Bids received by city June 19 for Sopris pipe line from (A) ALLEN & MURPHY CONTRACTING CO., Denver, (awarded contract); (B) W. G. Rupp; (C) F. C. Dreher Contracting Co.; Gordon & Taylor Construction Co., $59,203; Rowland, Erickson & Bessler, $82,265. The item bids of the 3 lowest bidders were as follows:

	A	B	C
26,169 cu.yd. earth excavation	$0.33	$0.525	$0.42
1,783 cu.yd. loose rock excavation	.40	.80	.66
2,681 cu.yd. solid rock excavation	.60	1.50	.68
300 cu.yd. borrowed earth excavation	.25	.40	.41
Dry rubble retaining wall, per cu.yd.	1.25	2.70	3.50
40 cu.yd. concrete	7.50	9.00	8.00
100 cu.yd. rubble masonry	4.50	5.50	6.50
Piles, per lin.ft.	.70	.90	1.00
3,466 lin.ft. steel pipe	.60	.30	.70
36,900 lin.ft. wood pipe	.96	.87	.96
Extra work, %	10	10	20
Extended totals	$49,286	$53,359	$55,624

BARGE CANAL, ALBANY, N. Y.—Contract No. 128

Low bids received May 23 by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Contract No. 128, constructing superstructure, substructure and approaches of highway bridge over Hudson River at Northumberland from (A) Holler & Shepard, E & B Bldg., Rochester; (B) Troy Public Works Co., Utica; (C) Great Lakes Dredge and Dock Co., Albany. The item bids were as follows:

	A	B	C
12,300 cu.yd. excavation	$0.40	$0.45	$0.55
291 cu.yd. lining	1.50	1.50	1.50
1,980 cu.yd. second-class concrete	7.50	8.00	7.90
719 cu.yd. fourth-class rip-rap	2.30	2.50	2.50
73.3 M ft. b.m. sawed lumber	60.00	60.00	60.00
698 lin.ft. wooden fence	.25	.25	.25
719,000 lb. structural steel	.056	.055	.05¼
6 oil signal lamps	15.00	15.00	15.00
Cofferdams, pumping, bailing and draining (lump sum)	7,500.00	9,500.00	9,000.00
Maintaining navigation (lump sum)	200.00	10.00	300.00
Maintaining highway traffic (lump sum)	2,000.00	1,500.00	1,600.00
Extended totals	$76,486.70	$78,826	$79,748

BARGE CANAL, ALBANY, N. Y.—Contract No. 129

Low bids received May 23 by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Contract No. 129, constructing substructure, superstructure and approaches of Freeman's Bridge over Mohawk River near Schnectady from (A) Foundation Co., 253 Broadway, New York; (B) Frank L. Cohen, Buffalo; (C) Charles Fath Co., Cleveland, Ohio. The item bids were as follows:

	A	B	C
9,540 cu.yd. excavation	$0.50	$0.60	$0.65
329 cu.yd. lining	1.40	1.50	1.80
533 cu.yd. concrete in pier below el. 199	22.00	20.00	21.00
2,010 cu.yd. second-class concrete	9.90	11.10	11.00
66.5 M ft. b.m. sawed lumber	60.00	60.00	60.00
17 M ft. b.m. wooden sheet piling	65.00	60.00	60.00
3,390 lin.ft. foundation piles	.25	.30	.35
790 lin.ft. wooden fence	.30	.25	.30
474 lin.ft. lattice railing	3.45	2.00	3.50
783,000 lb. structural steel	.0538	.054	.06¼
13,100 lb. c.-i. pipe	.03	.035	.03
10 oil signal lamps	20.00	15.00	17.00
Removing existing buildings (lump sum)	1.00	100.00	75.00
Maintaining navigation (lump sum)	1.00	100.00	75.00
Extended totals	$87,390	$89,451	$97,839

SPECIAL OPPORTUNITIES SECTION

Contracts To Be Let

Bids received until July 14, 1916.

Pumping Engine

Erie, Pa., June 16th, 1916.

Sealed proposals for the design, construction and erection of a twenty million gallon turbine-driven centrifugal condensing pumping engine, addressed to the Commissioners of Water-Works in the City of Erie, will be received at the Water-Works Office, City Hall, Erie, Pennsylvania, until twelve o'clock noon, the 14th day of July, 1916, and will be opened and read publicly.

All bids shall be made upon the blank forms of the proposal blank contained in the pamphlet with the instructions tc bidders, contract and specifications to be obtained on and after the 26th day of June, 1916, at the Office of the Commissioners, City Hall, Erie, Penna., and at the office of Chester & Fleming, Engineers, Union Bank Building, Pittsburgh, Penna.

Each proposal shall be accompanied by a certified check for One Thousand Dollars ($1,000.00), said check to be made payable to the Secretary, Commissioners of Water-Works in the City of Erie, Pa., and to be conditioned that if the bid is accepted, a contract will be entered into and the performance of same secured within ten (10) days after notification of the acceptance of the bid.

Commissioners do not bind themselves to accept the lowest bid, but reserve the right to reject any and all bids or select such bid as they may deem for the best interests of the City of Erie.

Upon the entering into a contract, or the rejection of all bids, checks will be returned to the bidders.

Copies of contract and specifications can be obtained at the office of the Commissioners or their Engineers, and intending bidder upon deposit of ten ($10) dollars will be entitled to two copies. Proper receipt for each such deposit wil be given and the money will be refunded upon the return in good condition of the above, or in case one copy is used for bidding, the other will become the property of the bidder and deposit returned.

COMMISSIONERS OF WATER-WORKS IN THE CITY OF ERIE, PENNA.
By GEORGE C. GENSHEIMER,
Secretary.

CHESTER & FLEMING, Engineers,
Union Bank Building, Pittsburgh, Pa.

Bids received until July 21, 1916.

Street Paving

Bluefield, W. Va.

Sealed bids will be received by the council of the city of Bluefield, W. Va., until the 21st of July, 1916, at 12 o'clock noon, for the paving of approximately 15,000 sq.yds. of bituminous macadam on concrete base, together with 14,000 lineal feet of combined concrete curb and gutter; also 1,600 sq.yds. concrete pavement, in accordance with the plans and specifications to be obtained from H. O. Wiles, City Engineer.

A certified check of $500.00 must accompany each bid.

The council reserves the right to reject any and all bids.

J. T. AKERS, Recorder.

Bids received until July 18, 1916.

State Highway Work

STATE OF MARYLAND
STATE ROADS COMMISSION
601 GARRETT BUILDING
Baltimore, Md.

Sealed Proposals for building 8 sections of State Highway, aggregating about 15.59 miles in length, and 1 bridge, as follows:

Contract No. BC-9A—
BALTIMORE CITY:

One section of Liberty Heights Avenue from Earle Avenue to Calloway Avenue, about 1.34 miles in length. (Sheet Asphalt.)

Contract No. 01-16—
CARROLL COUNTY:

One section through Sykesville, about 0.75 of a mile in length. (Macadam Resurfacing, Oil Bound.)

Contract No. D-17
DORCHESTER COUNTY:

One section through Hurlock, about 0.93 of a mile in length. (Macadam or Concrete.)

Contract No. F-18A—
FREDERICK COUNTY:

One section of Emmetsburg Pike, north from Thurmont, about 4.00 miles in length. (Macadam Resurfacing, Oil Bound.)

Contract No. F-24
FREDERICK COUNTY:

One section through Jefferson, about 1.00 mile in length. (Macadam Resurfacing, Oil Bound.)

Contract No. M-10—
MONTGOMERY COUNTY:

One section of road from Olney to Snells Bridge, about 5.55 miles in length. (Macadam or Concrete.)

Contract No. M-13A—
MONTGOMERY COUNTY:

One section of road between Norbeck and Olney, about 1.00 mile in length. (Macadam Resurfacing, Oil Bound.)

Contract No. P-15—
PRINCE GEORGE'S COUNTY:

One section through Upper Marlboro, about 1.02 miles in length. (Concrete Roadway.)

BRIDGE.

Contract No. BC-9, Br.—
BALTIMORE CITY:

One 5-span reinforced concrete bridge, about 150 feet in length, along Liberty Heights Avenue over Western Maryland Railway.

will be received by the State Roads Commission, at its office, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 18th day of July, 1916, at which time and place they will be publicly opened and read.

Bids must be made upon the blank form contained in the book of specifications. Specifications and plans will be furnished by the Comission upon application and cash payment of $1.00 as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission, this 27th day of June, 1916.

E. H. ZOUCK, Chairman.
WM. L. MARCY, Secretary.

Bids received until July 18, 1916.

Metal Furniture and Equipment

Albany, N. Y.

Sealed proposals for Metal Furniture and Equipment for State House, Albany, N. Y., will be received by the Trustees of Public Buildings, Executive Chamber, Capitol, Albany, N. Y., until 3 o'clock P.M. on Tuesday, July 18, 1916, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent. (5%) of the amount of proposal. Contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent. (50%) of the amount of contract within thirty (30) days after official notice of awar dof contract, and in accordance with the terms of specification No. 2446. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the New York Office of the Department of Architecture, Room 1224 Woolworth Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher.

June 30, 1916.

Bids received until July 18, 1916.

Streets Improvements

Bound Brook, New Jersey.

Sealed Proposals will be received by the Mayor and Council of the Borough of Bound Brook until 8:30 p.m. on Tuesday, July 18th, 1916, at the Borough Hall in the American Hose Company Bldg., on East Second Street, in said Borough, for regulating and paving with Vitrified Brick and Granite Block certain streets in said Borough.

The Engineer's approximate estimate of the amount of pavement to be laid is 8,000 square yards.

Plans may be examined and specifications, etc., may be obtained at the Office of the Borough Clerk, Stanley Brampton, Main Street, Bound Brook, N. J., or at the office of the Engineers in charge, 109 Park Avenue, Plainfield, N. J.

F. A. DUNHAM-CLARIN CO.,
Engineers in Charge.

Excavation and Concrete Work

The Conners Bros. Co., 64 West 88th St., New York, N. Y., has 20,000 yds. of excavation and 8,000 yds. of concrete work to let.